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Datasheet for MB-070-0050

Blocking Buffer (2X) for Fluorescent Western Blotting

Overview

Description:	Blocking Buffer (2X) for Fluorescent Western Blotting - MB-070-0050
Item No.:	MB-070-0050
Size:	50 mL
Applications:	WB, Cellular Assay, ELISA, IF, IHC, Microarray, Other

Product Details

Background:	This blocking buffer is ideal for infrared Western blotting. Fluorescence technology is widely used to detect proteins. However, many common visible fluorophores often result in considerable background fluorescence in the visible range. Visible fluorophores are rarely used for membrane-based protein detection because of this high background. IRDye™800, IRDye™700DX, Alexa Fluor® 680 and Cy5.5™ antibody and reagent conjugates are specifically designed for protein detection methods that use longer-wavelength, near-infrared (IR) fluorophores to visualize proteins in western blotting and other applications. IRDye™800 and IRDye™700DX fluoresce outside the range of most autofluorescence and therefore specific signal is sharply evident from any background giving the best possible signal-to-noise ratio. Detection levels in the picogram range on Western blots rival the sensitivity of chemiluminescence on film. IRDye™800 conjugates are also suitable for immunofluorescence microscopy using commercially available excitation/emission filters in the 780nm/820nm range. Dual simultaneous labeling in Western blots or microscopy is achieved when IRDye™800 conjugates are used in conjunction with IRDye™700 or Cy5.5™ conjugates. IRDye™800 and IRDye™700DX conjugates provide an ultra-sensitive and convenient alternative to standard chemiluminescent protein detection methods, as well as a valuable tool for multicolor imaging. Once reacted with the membrane and dried, IRDye™800 and IRDye™700DX conjugated antibody-protein complexes are very stable, and membranes can be stored protected from light, re-washed and/or rescanned.
Synonyms:	Multiplex Blocking Buffer, Fluorescent Blocking Buffer, Blocking Solution, Blocking Buffer Western Blot, IRDye Western Blot Blocking Buffer, Alexa Dye Blocking Buffer, DyLight Blocking Buffer

Target Details

Purity/Specificity:	Blocking buffer is specifically formulated to achieve superior reproducible Western blotting images using this system.

Application Details

Tested Applications:	WB
Suggested Applications:	Cellular Assay, ELISA, IF, IHC, Microarray, Other (Based on references)
Application Note:	This product is a 2X concentrated stock solution. Prepare a 1X working solution by diluting 1 part 2X concentrate with 1 parts TBS or equivalent. This buffer was meticulously prepared using ultra pure reagents dissolved in pharmaceutical grade water (WFI) and consists of a proprietary protein formulation in TRIS buffered saline at pH 7.6 with thimerosal added as an antimicrobial agent.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Defined

Formulation

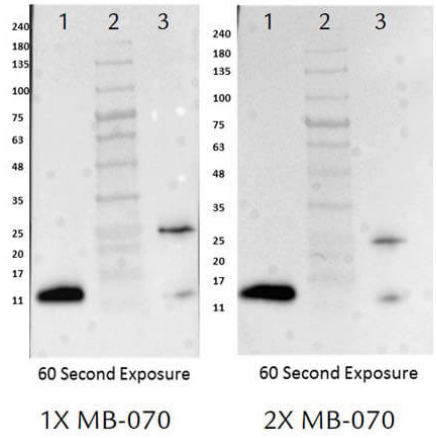
Physical State:	Liquid (sterile filtered)
Concentration:	2X
Buffer:	See application note.
Preservative:	Thimerosal is added as an antimicrobial agent.

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store blocking buffer at 4° C prior to opening. DO NOT FREEZE.
Expiration:	Expiration date is six (6) months from date of receipt.

Images

Bottle
Blocking Buffer (2X) for Fluorescent Western Blotting



Western Blot
Western Blot Comparison of 1X and 2X MB-070 Buffer. Lane 1: reduced human NAG1 protein 0.1µg. Lane 2: Prestained Molecular Weight Marker 5µL (p/n MB-210-0500). Lane 3: non-reduced human NAG1 protein 0.1µg. Blocking Buffer: Left blot 1X, Right blot 2X of (p/n MB-070-050) for 30 min at RT. Primary Antibody: rabbit anti-NAG1 biotin conjugated antibody (p/n 209-406-B88) at 1µg/mL overnight at 2-8°C. Secondary Antibody: goat anti-rabbit antibody HRP conjugated (p/n 611-103-122) at 1:70,000 for 30 min at RT. Expect: ~14kDa for NAG1.

References

- Heidepriem J. et al. Epitopes of Naturally Acquired and Vaccine-Induced Anti-Ebola Virus Glycoprotein Antibodies in Single Amino Acid Resolution. *Biotechnol J.* (2020)
- Gauthier T. et al. Versicolorin A, a precursor in aflatoxins biosynthesis, is a food contaminant toxic for human intestinal cells. *Environ Int.* (2020)
- Zhu P. et al. Expression and Function of Mas-Related G Protein-Coupled Receptor D and Its Ligand Alamandine in Retina. *Mol Neurobiol.* (2020)
- Sekine Y, Lindborg JA, Strittmatter SM. A proteolytic C-terminal fragment of Nogo-A (reticulon-4A) is released in exosomes and potently inhibits axon regeneration. *J Biol Chem.* (2020)
- Schulz A, Sekine Y, Oyeyemi MJ, et al. The stress-responsive gene GDPGP1/mcp-1 regulates neuronal glycogen metabolism and survival. *J Cell Biol.* (2020)

- Roberts M, Sevastou I, Imaizumi Y, et al. Pre-clinical characterisation of E2814, a high-affinity antibody targeting the microtubule-binding repeat domain of tau for passive immunotherapy in Alzheimer's disease. *Acta Neuropathol Commun.* (2020)
- Blank A, Fürle K, Jäschke A, et al. Immunization with full-length Plasmodium falciparum merozoite surface protein 1 is safe and elicits functional cytophilic antibodies in a randomized first-in-human trial. *NPJ Vaccines.* (2020)
- Apelt K, Zoutendijk I, Gout DY, Wondergem AP, van den Heuvel D, Luijsterburg MS. Human HMGN1 and HMGN2 are not required for transcription-coupled DNA repair. *Sci Rep.* (2020)
- Mende M, Tsouka A, Heidepriem J, et al. On-Chip Neo-Glycopeptide Synthesis for Multivalent Glycan Presentation. *Chemistry.* (2020)
- van der Weegen Y, Golan-Berman H, Mevissen TET, et al. The cooperative action of CSB, CSA, and UVSSA target TFIIH to DNA damage-stalled RNA polymerase II. *Nat Commun.* (2020)
- Kipnis PA, Sullivan BJ, Carter BM, Kadam SD. TrkB agonists prevent postischemic emergence of refractory neonatal seizures in mice. *JCI Insight.* (2020)
- Behzadi MA, Choi A, Duehr J, et al. A cross-reactive mouse monoclonal antibody against rhinovirus mediates phagocytosis in vitro. *Sci Rep.* (2020)
- Brennan L, Disatham J, Kantorow M. Hypoxia regulates the degradation of non-nuclear organelles during lens differentiation through activation of HIF1a *Exp Eye Res.* (2020)
- Fu Y, Cao R, Schäfer M, et al. Expression of different L1 isoforms of Mastomys natalensis papillomavirus as mechanism to circumvent adaptive immunity. *Elife.* (2020)
- Mosser S, Gerber H, Fraering PC. Identification of truncated C-terminal fragments of the Alzheimer's disease amyloid protein precursor derived from sequential proteolytic pathways. *J Neurochem.* (2020)
- Nathaniel Kastan, Ksenia Gnedeva, Theresa Alisch, Aleksandra A. Petelski, David J. Huggins, Jeanne C Small-molecule inhibition of Lats kinases promotes Yap-dependent proliferation in postmitotic mammalian tissues. *bioRxiv* (2020)
- M. A. Kauss, S. J. Rockwood, A. C. Silva, D. A. Joy, N. Mendoza-Camacho, M. N. Whittaker, Erica Stev Cardiac Cell-Derived Matrices Impart Age-Specific Functional Properties to Human Cardiomyocytes. *bioRxiv* (2020)
- Meilandt WJ, Ngu H, Gogineni A, et al. Trem2 Deletion Reduces Late-Stage Amyloid Plaque Accumulation, Elevates the Aβ42:Aβ40 Ratio, and Exacerbates Axonal Dystrophy and Dendritic Spine Loss in the PS2APP Alzheimer's Mouse Model. *J Neurosci.* (2020)
- Bannert K, Berlin P, Reiner J, et al. SNX27 regulates DRA activity and mediates its direct recycling by PDZ-interaction in early endosomes at the apical pole of Caco2 cells. *Am J Physiol Gastrointest Liver Physiol.* (2020)
- Massey N. et al. Organic dust induced mitochondrial dysfunction could be targeted via cGAS-STING or mitochondrial NOX-2 inhibition. *bioRxiv* (2020)
- João Pedro Fonseca, Elham Aslankoohi, Hana El-Samad Biphasic Response of Protein Kinase A to Cyclic Adenosine Monophosphate Triggers Distinct Epithelial Phenotypes. *bioRxiv* (2019)
- Dhanendra Tomar, Manfred Thomas, Joanne F. Garbincius, Devin W. Kolmetzky, Oniel Salik, Pooja Jadiy MICU1 regulates mitochondrial cristae structure and function independent of the mitochondrial calcium uniporter channel. *bioRxiv* (2019)

- Spence et al. In vivo proximity proteomics of nascent synapses reveals a novel regulator of cytoskeleton-mediated synaptic maturation. *Nature Communications* (2019)
- Hoppstädter et al. Amplified Host Defense by Toll-Like Receptor-Mediated Downregulation of the Glucocorticoid-Induced Leucine Zipper (GILZ) in Macrophages. *Frontiers in Immunology* (2019)
- Salazar SV, Cox TO, Lee S, et al. Alzheimer's Disease Risk Factor Pyk2 Mediates Amyloid-β-Induced Synaptic Dysfunction and Loss. *J Neurosci.* (2019)
- Fanning S, Haque A, Imberdis T, et al. Lipidomic Analysis of α-Synuclein Neurotoxicity Identifies Stearoyl CoA Desaturase as a Target for Parkinson Treatment. *Mol Cell.* (2019)
- Chang TH, Mattei E, Gainetdinov I, Colpan C, Weng Z, Zamore PD. Maelstrom Represses Canonical Polymerase II Transcription within Bi-directional piRNA Clusters in Drosophila melanogaster. *Mol Cell.* (2019)
- Lee S, Salazar SV, Cox TO, Strittmatter SM. Pyk2 Signaling through Graf1 and RhoA GTPase Is Required for Amyloid-β Oligomer-Triggered Synapse Loss. *J Neurosci.* (2019)
- Gunther EC, Smith LM, Kostylev MA, et al. Rescue of Transgenic Alzheimer's Pathophysiology by Polymeric Cellular Prion Protein Antagonists. *Cell Rep.* (2019)
- Sekine Y, Algarate PT, Cafferty WBJ, Strittmatter SM. Plexina2 and CRMP2 Signaling Complex Is Activated by Nogo-A-Liganded Ngr1 to Restrict Corticospinal Axon Sprouting after Trauma. *J Neurosci.* (2019)
- Sim KY, Park SH, Choi KY, et al. High-throughput epitope profiling of antibodies in the plasma of Alzheimer's disease patients using random peptide microarrays. *Sci Rep.* (2019)
- Cox TO, Gunther EC, Brody AH, et al. Anti-PrPC antibody rescues cognition and synapses in transgenic alzheimer mice. *Ann Clin Transl Neurol.* (2019)
- Thoms F, Jennings GT, Maudrich M, et al. Immunization of cats to induce neutralizing antibodies against Fel d 1, the major feline allergen in human subjects. *J Allergy Clin Immunol.* (2019)
- Ge DT, Wang W, Tipping C, Gainetdinov I, Weng Z, Zamore PD. The RNA-Binding ATPase, Armitage, Couples piRNA Amplification in Nuage to Phased piRNA Production on Mitochondria. *Mol Cell.* (2019)
- Fritzler MJ, Brown RD, Zhang M. A Monoclonal Antibody to M-Phase Phosphoprotein 1/Kinesin-Like Protein KIF20B. *Monoclon Antib Immunodiagn Immunother.* (2019)
- Hoppstädter J, Dembek A, Linnenberger R, et al. Toll-Like Receptor 2 Release by Macrophages: An Anti-inflammatory Program Induced by Glucocorticoids and Lipopolysaccharide. *Front Immunol.* (2019)
- Lombardi AA, Gibb AA, Arif E, et al. Mitochondrial calcium exchange links metabolism with the epigenome to control cellular differentiation. *Nat Commun.* (2019)
- Fühner V, Heine PA, Helmsing S, et al. Development of Neutralizing and Non-neutralizing Antibodies Targeting Known and Novel Epitopes of TcdB of Clostridioides difficile. *Front Microbiol.* (2018)
- Risher WC, Kim N, Koh S, et al. Thrombospondin receptor α2δ-1 promotes synaptogenesis and spinogenesis via postsynaptic Rac1. *J Cell Biol.* (2018)
- Gainetdinov I, Colpan C, Arif A, Cecchini K, Zamore PD. A Single Mechanism of Biogenesis, Initiated and Directed by PIWI Proteins, Explains piRNA Production in Most Animals. *Mol Cell.* (2018)

- Smith TC, Saul RG, Barton ER, Luna EJ. Generation and characterization of monoclonal antibodies that recognize human and murine supervillin protein isoforms. *PLoS One.* (2018)
- Kostylev MA, Tuttle MD, Lee S, et al. Liquid and Hydrogel Phases of PrPC Linked to Conformation Shifts and Triggered by Alzheimer's Amyloid-β Oligomers. *Mol Cell.* (2018)
- Trychta KA, Bäck S, Henderson MJ, Harvey BK. KDEL Receptors Are Differentially Regulated to Maintain the ER Proteome under Calcium Deficiency. *Cell Rep.* (2018)
- Edmiston E, Jones KL, Vu T, Ashwood P, Van de Water J. Identification of the antigenic epitopes of maternal autoantibodies in autism spectrum disorders. *Brain Behav Immun.* (2018)
- Sekine Y, Siegel CS, Sekine-Konno T, Cafferty WBJ, Strittmatter SM. The nociceptin receptor inhibits axonal regeneration and recovery from spinal cord injury. *Sci Signal.* (2018)
- Jayaram DT, Pustulka SM, Mannino RG, Lam WA, Payne CK. Protein Corona in Response to Flow: Effect on Protein Concentration and Structure. *Biophys J.* (2018)
- Yang JD, Mott D, Sutiwisesak R, et al. Mycobacterium tuberculosis-specific CD4+ and CD8+ T cells differ in their capacity to recognize infected macrophages. *PLoS Pathog.* (2018)
- Brennan LA, McGreal-Estrada R, Logan CM, Cvekl A, Menko AS, Kantorow M. BNIP3L/NIX is required for elimination of mitochondria, endoplasmic reticulum and Golgi apparatus during eye lens organelle-free zone formation. *Exp Eye Res.* (2018)
- Atwater J, Mattes DS, Streit B, et al. Combinatorial Synthesis of Macromolecular Arrays by Microchannel Cantilever Spotting (µCS). *Adv Mater.* (2018)
- Pereira et al. mitoTev-TALE: a monomeric DNA editing enzyme to reduce mutant mitochondrial DNA levels. *EMBO Molecular Medicine* (2018)
- Ward et al. Interaction of the Human Respiratory Syncytial Virus matrix protein with cellular adaptor protein complex 3 plays a critical role in trafficking. *PLOS One* (2017)
- Heiss JK, Barrett J, Yu Z, Haas LT, Kostylev MA, Strittmatter SM. Early Activation of Experience-Independent Dendritic Spine Turnover in a Mouse Model of Alzheimer's Disease. *Cereb Cortex.* (2017)
- Freire MCLC, Pol-Fachin L, Coêlho DF, et al. Mapping Putative B-Cell Zika Virus NS1 Epitopes Provides Molecular Basis for Anti-NS1 Antibody Discrimination between Zika and Dengue Viruses. *ACS Omega.* (2017)
- Gupta P, Lavagnolli T, Mira-Bontenbal H, Merkenschlager M. Analysis of Cohesin Function in Gene Regulation and Chromatin Organization in Interphase. *Methods Mol Biol.* (2017)
- Takahashi H, Klein ZA, Bhagat SM, et al. Opposing effects of progranulin deficiency on amyloid and tau pathologies via microglial TYROBP network. *Acta Neuropathol.* (2017)
- Davey MG, Riley JS, Andrews A, et al. Induction of Immune Tolerance to Foreign Protein via Adeno-Associated Viral Vector Gene Transfer in Mid-Gestation Fetal Sheep. *PLoS One.* (2017)
- Hu M, Azeloglu EU, Ron A, et al. A biomimetic gelatin-based platform elicits a pro-differentiation effect on podocytes through mechanotransduction. *Sci Rep.* (2017)
- Lucas ER, Augustyniak M, Kędziorski A, Keller L. Lifespan differences between queens and workers are not explained by rates of molecular damage. *Exp Gerontol.* (2017)

- Huffman JB, Daniel GR, Falck-Pedersen E, et al. The C Terminus of the Herpes Simplex Virus UL25 Protein Is Required for Release of Viral Genomes from Capsids Bound to Nuclear Pores. *J Virol.* (2017)
- Jayaram DT, Runa S, Kemp ML, Payne CK. Nanoparticle-induced oxidation of corona proteins initiates an oxidative stress response in cells. *Nanoscale.* (2017)
- Klein ZA, Takahashi H, Ma M, et al. Loss of TMEM106B Ameliorates Lysosomal and Frontotemporal Dementia-Related Phenotypes in Progranulin-Deficient Mice. *Neuron.* (2017)
- Fu L, Liu K, Sun M, et al. Systematic and Quantitative Assessment of Hydrogen Peroxide Reactivity With Cysteines Across Human Proteomes. *Mol Cell Proteomics.* (2017)
- Salazar SV, Gallardo C, Kaufman AC, et al. Conditional Deletion of Prnp Rescues Behavioral and Synaptic Deficits after Disease Onset in Transgenic Alzheimer's Disease. *J Neurosci.* (2017)
- Khairy WOA, Qian K, Shao H, Ye J, Qin A. Identification of two conserved B-cell epitopes in the gp90 of reticuloendothelial virus using peptide microarray. *Vet Microbiol.* (2017)
- Morales Betanzos C, Federspiel JD, Palubinsky AM, McLaughlin B, Liebler DC. Dynamic Phosphorylation of Apoptosis Signal Regulating Kinase 1 (ASK1) in Response to Oxidative and Electrophilic Stress. *Chem Res Toxicol.* (2016)
- Wang X, Wang Z, Xu H, Biao X, Yang Z. A single amino acid substitution alter antigenicity of Glycosylated protein 4 of HP-PRRSV. *Virol J.* (2016)
- Kessler SM, Laggai S, Van Wonterghem E, et al. Transient Hepatic Overexpression of Insulin-Like Growth Factor 2 Induces Free Cholesterol and Lipid Droplet Formation. *Front Physiol.* (2016)
- Wilhelmson AS, Fagman JB, Johansson I, et al. Increased Intimal Hyperplasia After Vascular Injury in Male Androgen Receptor-Deficient Mice. *Endocrinology.* (2016)
- Müller AM, Bockstahler M, Hristov G, et al. Identification of novel antigens contributing to autoimmunity in cardiovascular diseases. *Clin Immunol.* (2016)
- Ashoor R, Lee D, Cheng A, Jessen B, Huang W. Validation of Cross-Species Reactivity of the VEGF-A/PDGFRβ Bifunctional Antibody PF-06653157. *J Ocul Pharmacol Ther.* (2016)
- Haas LT, Salazar SV, Kostylev MA, Um JW, Kaufman AC, Strittmatter SM. Metabotropic glutamate receptor 5 couples cellular prion protein to intracellular signalling in Alzheimer's disease. *Brain.* (2016)
- Metz I, Beißbarth T, Ellenberger D, et al. Serum peptide reactivities may distinguish neuromyelitis optica subgroups and multiple sclerosis. *Neurol Neuroimmunol Neuroinflamm.* (2016)
- Sun J, Wang X, Wen X, et al. Identification of a Highly Conserved Epitope on Avian Influenza Virus Non-Structural Protein 1 Using a Peptide Microarray. *PLoS One.* (2016)
- Federspiel JD, Codreanu SG, Palubinsky AM, et al. Assembly Dynamics and Stoichiometry of the Apoptosis Signal-regulating Kinase (ASK) Signalosome in Response to Electrophile Stress. *Mol Cell Proteomics.* (2016)
- Loeffler FF, Pfeil J, Heiss K. High-Density Peptide Arrays for Malaria Vaccine Development. *Methods Mol Biol.* (2016)
- Maccari G, Genoni A, Sansonno S, Toniolo A. Properties of Two Enterovirus Antibodies that are Utilized in Diabetes Research. *Sci Rep.* (2016)
- Loeffler FF, Foertsch TC, Popov R, et al. High-flexibility combinatorial peptide synthesis with laser-based transfer of monomers in solid matrix material. *Nat Commun.* (2016)

- Haas LT, Strittmatter SM. Oligomers of Amyloid β Prevent Physiological Activation of the Cellular Prion Protein-Metabotropic Glutamate Receptor 5 Complex by Glutamate in Alzheimer Disease. *J Biol Chem.* (2016)
- Sabiha Runa, Dipesh Khanal, Melissa L. Kemp, and Christine K. Payne. TiO2 Nanoparticles Alter the Expression of Peroxiredoxin Antioxidant Genes. *J. Phys. Chem. C* (2016)
- Mock et al. Printed peptide arrays identify prognostic TNC serumantibodies in glioblastoma patients. *Oncotarget* (2015)
- Gomes et al. Proteomic analysis of physiological versus pathological cardiac remodeling in animal models expressing mutations in myosin essential light chains. *Journal of Muscle Research and Cell Motility* (2015)
- Gourbeyre P, Berri M, Lippi Y, et al. Pattern recognition receptors in the gut: analysis of their expression along the intestinal tract and the crypt/villus axis. *Physiol Rep.* (2015)
- Vernet T, Choulier L, Nominé Y, et al. Spot peptide arrays and SPR measurements: throughput and quantification in antibody selectivity studies. *J Mol Recognit.* (2015)
- Simpson-Lavy KJ, Bronstein A, Kupiec M, Johnston M. Cross-Talk between Carbon Metabolism and the DNA Damage Response in S. cerevisiae. *Cell Rep.* (2015)
- McKinstry SU, Karadeniz YB, Worthington AK, et al. Huntingtin is required for normal excitatory synapse development in cortical and striatal circuits. *J Neurosci.* (2014)
- Stagi M, Klein ZA, Gould TJ, Bewersdorf J, Strittmatter SM. Lysosome size, motility and stress response regulated by fronto-temporal dementia modifier TMEM106B. *Mol Cell Neurosci.* (2014)
- Heming JD, Huffman JB, Jones LM, Homa FL. Isolation and characterization of the herpes simplex virus 1 terminase complex. *J Virol.* (2014)
- Musset L, Miyara M, Benveniste O, et al. Analysis of autoantibodies to 3-hydroxy-3-methylglutaryl-coenzyme A reductase using different technologies. *J Immunol Res.* (2014)
- Wang X, Dang R, Liu W, Yang Z, Du E, Zhang S. Antigenic characteristics of glycosylated protein 3 of highly pathogenic porcine reproductive and respiratory syndrome virus. *Virus Res.* (2014)
- Prasanphanich AF, Arencibia CA, Kemp ML. Redox processes inform multivariate transdifferentiation trajectories associated with TGFβ-induced epithelial-mesenchymal transition. *Free Radic Biol Med.* (2014)
- Haas LT, Kostylev MA, Strittmatter SM. Therapeutic molecules and endogenous ligands regulate the interaction between brain cellular prion protein (PrPC) and metabotropic glutamate receptor 5 (mGluR5). *J Biol Chem.* (2014)
- Wang X, Qui L, Dang Y, Xiao S, Zhang S, Yang Z. Linear epitope recognition antibodies strongly respond to the C-terminal domain of HP-PRRSV GP5. *Vet Microbiol.* (2014)
- Giegerich AK, Kuchler L, Sha LK, et al. Autophagy-dependent PELI3 degradation inhibits proinflammatory IL1B expression. *Autophagy.* (2014)
- Risher WC, Patel S, Kim IH, et al. Astrocytes refine cortical connectivity at dendritic spines. *Elife.* (2014)
- Boschert V, van Dinther M, Weidauer S, et al. Mutational analysis of sclerostin shows importance of the flexible loop and the cystine-knot for Wnt-signaling inhibition. *PLoS One.* (2013)
- Simpson-Lavy KJ, Johnston M. SUMOylation regulates the SNF1 protein kinase. *Proc Natl Acad Sci U S A.* (2013)
- Ramón-García S, Ng C, Jensen PR, et al. WhiB7, an Fe-S-dependent transcription factor that activates species-specific repertoires of drug resistance determinants in actinobacteria. *J Biol Chem.* (2013)

- Um JW, Nygaard HB, Heiss JK, et al. Alzheimer amyloid-β oligomer bound to postsynaptic prion protein activates Fyn to impair neurons. *Nat Neurosci.* (2012)
- Schirwitz C, Loeffler FF, Felgenhauer T, Stadler V, Breitling F, Bischoff FR. Sensing immune responses with customized peptide microarrays. *Biointerphases.* (2012)
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