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Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP58713_P050-Biotin
Product Page	www.avivasysbio.com/imp1-antibody-middle-region-biotin-arp58713-p050-biotin.html
Name	IMPA1 Antibody - middle region : Biotin (ARP58713_P050-Biotin)
Protein Size (# AA)	277 amino acids
Molecular Weight	30kDa
Conjugation	Biotin
NCBI Gene Id	3612
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Inositol(myo)-1(or 4)-monophosphatase 1
Alias Symbols	IMP, IMPA, MRT59
Peptide Sequence	Synthetic peptide located within the following region: IVTEAGGVLMDVITGGPFDLMSRRVIAANNRILAERIAKEIQVIPLQRDDE
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Ohnishi, T., (2007) J. Biol. Chem. 282 (1), 637-646
Description of Target	IMPA1 is responsible for the provision of inositol required for synthesis of phosphatidylinositol and polyphosphoinositides and has been implicated as the pharmacological target for lithium action in brain. IMPA1 can use myo-inositol monophosphates, myo-inositol-1,3-diphosphate, myo-inositol-1,4-diphosphate, scyllo-inositol-phosphate, glucose-1-phosphate, glucose-6-phosphate, fructose-1-phosphate, beta-glycerophosphate, and 2'-AMP as substrates.
Protein Interactions	IMPA2; IMPA1; SUMO2; UBC; S100B; nxf1; sbr; nxf-1; mex67; ELAVL1; CALB1;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-IMPA1 (ARP58713_P050-Biotin) antibody
Blocking Peptide	For anti-IMPA1 (ARP58713_P050-Biotin) antibody is Catalog # AAP58713 (Previous Catalog # AAPP35913)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human IMPA1
Uniprot ID	P29218
Protein Name	Inositol monophosphatase 1
Protein Accession #	NP_005527
Purification	Affinity Purified
Nucleotide Accession #	NM_005536
Gene Symbol	IMPA1
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 93%; Dog: 93%; Guinea Pig: 86%; Horse: 79%; Human: 100%; Mouse: 85%; Pig: 93%; Rabbit: 79%; Rat: 92%

Image 1



AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.

Optimal conditions of its use should be determined by end users.

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