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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
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Product Number	ARP54644_P050-Biotin
Product Page	www.avivasysbio.com/gsk3b-antibody-c-terminal-region-biotin-arp54644-p050-biotin.html
Name	GSK3B Antibody - C-terminal region : Biotin (ARP54644_P050-Biotin)
Protein Size (# AA)	433 amino acids
Molecular Weight	48kDa
Conjugation	Biotin
NCBI Gene Id	2932
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Glycogen synthase kinase 3 beta
Alias Symbols	-
Peptide Sequence	Synthetic peptide located within the following region: AIALCSRLLLEYTPARLTPLEACAHSSFFDEL RDPNVKLPNGRDTPALFNE
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Izumi,N., (2008) J. Biol. Chem. 283 (19), 12981-12991
Description of Target	Glycogen synthase kinase-3 (GSK3) is a proline-directed serine-threonine kinase that was initially identified as a phosphorylating and inactivating glycogen synthase. Two isoforms, alpha (GSK3A) and beta, show a high degree of amino acid homology. GSK3B is involved in energy metabolism, neuronal cell development, and body pattern formation. Glycogen synthase kinase-3 (GSK3) is a proline-directed serine-threonine kinase that was initially identified as a phosphorylating and inactivating glycogen synthase. Two isoforms, alpha (GSK3A; MIM 606784) and beta, show a high degree of amino acid homology (Stambolic and Woodgett, 1994 [PubMed 7980435]). GSK3B is involved in energy metabolism, neuronal cell development, and body pattern formation (Plyte et al., 1992 [PubMed 1333807]).[supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Protein Interactions	AKT1; MAP3K4; MAPT; JUN; RNF220; HDAC4; AXIN1; SNAI2; NBR1; AURKA; UBC; axl-1; pry-1; PRKAR1A; EYA1; GSK3B; AKAP11; BTRC; CTNBN1; HECW2; PRKACA; PPP1R2; APC; FRAT1; AXIN2; GSKIP; LRP6; CSF3R; DYNLL1; VIM; FRAT2; EPB41L3; CLASP2; HSP90AA1; PPP1CA; PRUNE; N
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-GSK3B (ARP54644_P050-Biotin) antibody
Additional Information	IHC Information: Paraffin embedded brain, cortex tissue, tested with an antibody dilution of 2.5 ug/ml.
Blocking Peptide	For anti-GSK3B (ARP54644_P050-Biotin) antibody is Catalog # AAP54644 (Previous Catalog # AAPP31435)
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human GSK3B
Uniprot ID	P49841
Protein Name	Glycogen synthase kinase-3 beta
Sample Type Confirmation	GSK3B is supported by BioGPS gene expression data to be expressed in 721_B, HeLa
Protein Accession #	NP_002084
Purification	Affinity Purified
Nucleotide Accession #	NM_002093

Gene Symbol	GSK3B
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Goat, Guinea Pig, Horse, Rabbit, Sheep, Zebrafish
Application	IHC, WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Goat: 86%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%; Zebrafish: 93%
Image 1	

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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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