

Rabbit anti-Human, mouse Bi-Phospho-GSK3B (S21/29) Polyclonal Antibody | anti-GSK3B antibody

Bi-Phospho-GSK3B (S21/29) Antibody

CATALOG # AAA289535	HOST Rabbit	REACTIVITY Human, mouse	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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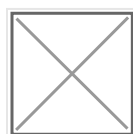
PRODUCT SYNONYMS

Bi-Phospho-GSK3B (S21/29); Polyclonal Antibody; Bi-Phospho-GSK3B (S21/29) Antibody; Glycogen synthase kinase-3 beta; GSK-3 beta; Serine/threonine-protein kinase GSK3B; GSK3B; anti-GSK3B antibody

PRODUCT SPECIFICATIONS

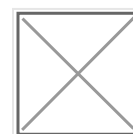
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GSK3B Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S21/29 of human GSK3B.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.45 (varies by lot)
Sequence Length	433
Applicable Applications for anti-GSK3B antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

The anti-Phospho-GSK3B-S21/29 Pab is used in Western blot to detect Phospho-GSK3B-S21/29 in mouse thymus tissue lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-GSK3B antibody	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.
Product Categories/Family for anti-GSK3B antibody	Signal Transduction; Neuroscience; Metabolism; Immunology; Cell Biology; Cardiovascular; Cancer; Crown Antibodies; Phospho Antibodies
References	Wang, L., et al., J. Biol. Chem. 279(31):32444-32452 (2004). Yuan, Z., et al., J. Biol. Chem. 279(25):26105-26114 (2004). Liao, X., et al., Endocrinology 145(6):2941-2949 (2004). Salas, T.R., et al., J. Biol. Chem. 279(18):19191-19200 (2004). Takahashi-Yanaga, F., et al., Biochem. Biophys. Res. Commun. 316(2):411-415 (2004).

NCBI AND UNIPROT INFORMATION

NCBI GI #	225903437
NCBI GeneID	2932
NCBI Accession #	NP_001139628.1; NP_002084.2
NCBI GenBank Nucleotide #	NM_001146156.1
UniProt Accession #	P49841; Q9BWH3; Q9UL47; D3DN89
Molecular Weight	46744
NCBI Official Full Name	glycogen synthase kinase-3 beta isoform 2
NCBI Official Synonym Full Names	glycogen synthase kinase 3 beta
NCBI Official Symbol	GSK3B
NCBI Protein Information	glycogen synthase kinase-3 beta
UniProt Protein Name	Glycogen synthase kinase-3 beta
UniProt Gene Name	GSK3B
UniProt Synonym Gene Names	GSK-3 beta
UniProt Entry Name	GSK3B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bi-phospho-gsk3b-s21-29-antibody-immunohistochemistry-western-blot-elisa/289535>