

Rabbit GSK3 beta (GSK3B) Polyclonal Antibody | anti-GSK3B antibody

GSK3 beta (GSK3B) Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286817	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Immunohistochemistry, ELISA, Western Blot

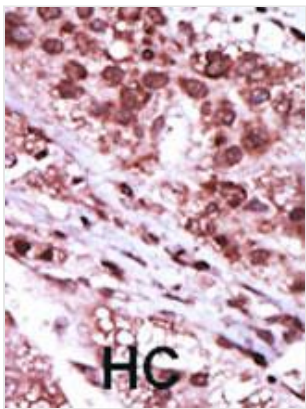
PRODUCT SYNONYMS

GSK3 beta (GSK3B); Polyclonal Antibody; GSK3 beta (GSK3B) Antibody (N-term); Glycogen synthase kinase-3 beta; GSK-3 beta; Serine/threonine-protein kinase GSK3B; GSK3B; anti-GSK3B antibody

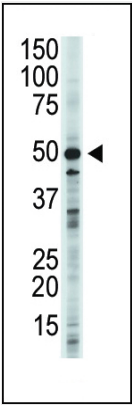
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GSK3 beta (GSK3B) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 4-34 amino acids from the N-terminal region of human GSK3 beta (GSK3B).
Purity/Purification	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: 0.5 (varies by lot)
Sequence Positions	4-34
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 (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB 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-GSK3B Pab is used in Western blot to detect GSK3B in 293 cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-GSK3B antibody	GSK3B, a member of the Ser/Thr protein kinase family, participates in the Wnt signaling pathway. It is implicated in the hormonal control of several regulatory proteins including glycogen synthase, MYB and the transcription factor JUN. GSK3B phosphorylates JUN at sites proximal to its DNA-binding domain, thereby reducing its affinity for DNA. The protein is inhibited when phosphorylated by AKT1 or ILK1. Expressed is detected in testis, thymus, prostate and ovary, and weakly in lung, brain and kidney.
Product Categories/Family for anti-GSK3B antibody	Cancer; Cardiovascular; Cell Biology; Developmental Biology; Metabolism; Signal Transduction
References	Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002). Dajani, R., et al., Cell 105(6):721-732 (2001). Lau, K.F., et al., Genomics 60(2):121-128 (1999). Rhoads, A.R., et al., Mol. Psychiatry 4(5):437-442 (1999). Delcommenne, M., et al., Proc. Natl. Acad. Sci. U.S.A. 95(19):11211-11216 (1998).

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

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/gsk3-beta-gsk3b-antibody-immunohistochemistry-western-blot-elisa/286817>