

GSK3beta Antibody | anti-GSK3beta antibody

GSK3beta (Phospho-Tyr216) Antibody

CATALOG # AAA111110	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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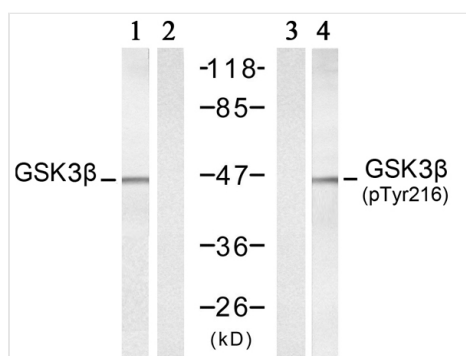
PRODUCT SYNONYMS

GSK3beta; GSK3beta (Phospho-Tyr216) Antibody; anti-GSK3beta antibody

PRODUCT SPECIFICATIONS

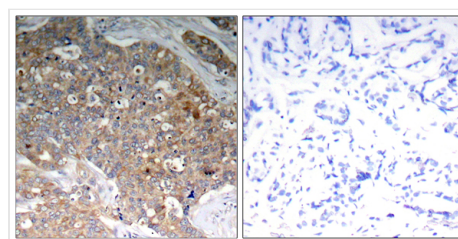
Reactivity	Human, Mouse, Rat
Specificity	GSK3beta (Phospho-Tyr216) antibody detects endogenous levels of GSK3beta only when phosphorylated at tyrosine 216.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	420
Applicable Applications for anti-GSK3beta antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human GSK3beta around the phosphorylation site of tyrosine 216 (V-S-YP-I-C).
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



WB (Western Blot)

Western blot analysis of extract from 293 cells, untreated or treated with insulin (40uM, 30min), using GSK3beta (Ab-216) Antibody and GSK3beta (Phospho-Tyr216) Antibody.



IHC (Immunohistochemistry)

P-Peptide+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using GSK3beta (Phospho-Tyr216) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-GSK3beta antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
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References	Chin PC, et al. Brain Res Mol Brain Res 2005 Jun 13; 137(1-2): 193-201 Takahashi-Yanaga F, et al. Biochem Biophys Res Commun 2004 Apr 02; 316(2): 411-415 Fan G, et al. J Biol Chem 2003 Dec 26; 278(52): 52432-52436 Liao X, et al. Mol Cancer Ther 2003 Nov; 2(11): 1215-1222.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	225903437
NCBI GeneID	2932
NCBI Accession #	NP_001139628.1
NCBI GenBank Nucleotide #	NM_001146156.1
UniProt Accession #	P49841; Q9BWH3; Q9UL47; D3DN89
Molecular Weight	48,034 Da
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/human-mouse-rat-antibody/gsk3beta/111110>