

GSK3alpha/beta Antibody | anti-GSK3alpha/beta antibody

GSK3alpha/beta (Phospho-Tyr279/216) Antibody

CATALOG # AAA267318	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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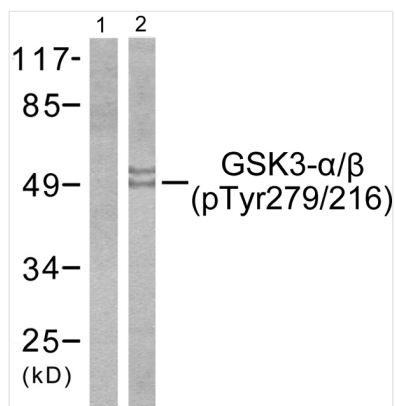
PRODUCT SYNONYMS

GSK3alpha/beta; GSK3alpha/beta (Phospho-Tyr279/216) Antibody; EC 2.7.11.26; Factor A; GSK-3 alpha; GSK3-alpha; Glycogen synthase kinase-3 alpha; kinase GSK3-alpha; GSK-3 beta; GSK3B; Glycogen synthase kinase-3 beta; Protein kinase GSK-3-beta; kinase GSK3-beta; anti-GSK3alpha/beta antibody

PRODUCT SPECIFICATIONS

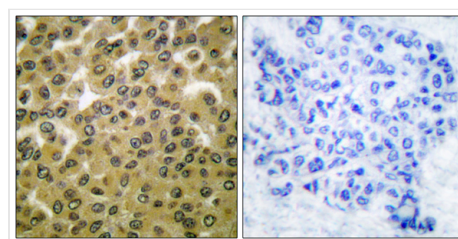
Reactivity	Human, Mouse, Rat
Specificity	GSK3alpha/beta (phospho-Tyr279/216) antibody detects endogenous levels of GSK3alpha/beta only when phosphorylated at tyrosine 279/216.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	483
Applicable Applications for anti-GSK3alpha/beta antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human GSK3alpha/beta around the phosphorylation site of tyrosine 279/216 (V-S-YP-I-C).
All Sites	Human: Tyr279/216 Mouse: Tyr279/216 Rat: Tyr279/216
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using GSK3alpha/beta (phospho-Tyr279/216) antibody.



IHC (Immunohistochemistry)

P-peptide+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using GSK3alpha/beta (phospho-Tyr279/216) antibody.

ADDITIONAL INFORMATION

References	Minsub Shim, J. Biol. Chem., May 2003; 278: 19674-19681. Junichi Gotoh Carcinogenesis, Mar 2003; 24: 435-442. Katrina MacAulay, J. Biol. Chem., Mar 2005; 280: 9509-9518. Victor H. Bustos, PNAS, Dec 2006; 103: 19725-19730.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	49574532
NCBI GeneID	2931
NCBI Accession #	NP_063937.2
NCBI GenBank Nucleotide #	NM_019884.2
UniProt Accession #	P49840; O14959
Molecular Weight	50,981 Da
NCBI Official Full Name	glycogen synthase kinase-3 alpha
NCBI Official Synonym Full Names	glycogen synthase kinase 3 alpha
NCBI Official Symbol	GSK3A
NCBI Protein Information	glycogen synthase kinase-3 alpha
UniProt Protein Name	Glycogen synthase kinase-3 alpha
UniProt Gene Name	GSK3A
UniProt Synonym Gene Names	GSK-3 alpha

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://www.aaabiotech.com/human-mouse-rat-antibody/gsk3alpha-beta/267318>