

Rabbit GSK3beta Polyclonal Antibody | anti-GSK3beta antibody

GSK3beta (Phospho-Ser9) Antibody

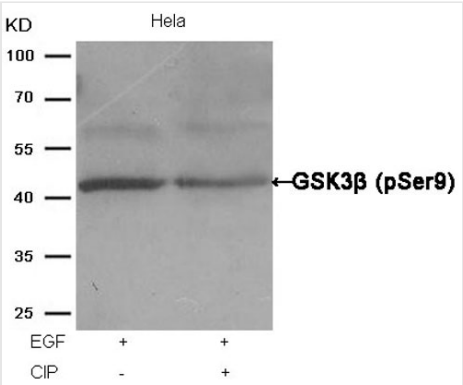
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29709	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

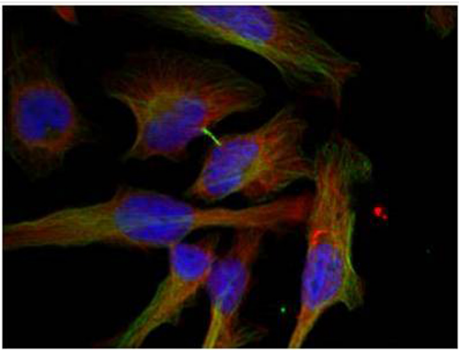
GSK3beta; Polyclonal Antibody; GSK3beta (Phospho-Ser9) Antibody; GSK3b (Phospho-Ser9) Antibody; Factor A; GSK-3 beta; Protein kinase GSK-3-beta; kinase GSK-3 beta; anti-GSK3beta antibody

PRODUCT SPECIFICATIONS

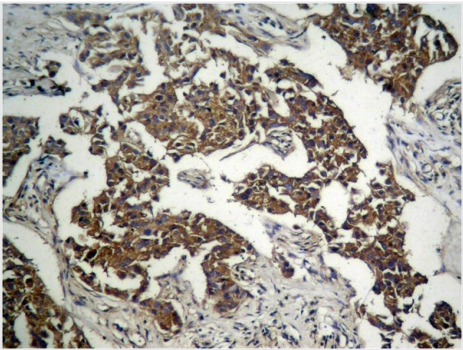
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of GSK3 beta only when phosphorylated at serine 9.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	420
Applicable Applications for anti-GSK3beta antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	Western blotting: 1:500~1:1000 Immunohistochemistry: 1:50~1:100 Immunofluorescence: 1:100~1:200
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 9 (T-T-S(p)-F-A) derived from Human GSK3beta.
Modification	Phospho-Ser9
Target Name	GSK3beta
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.



WB (Western Blot)
Western blot analysis of extracts from HeLa cells, treated with EGF or calf intestinal phosphatase (CIP), using GSK3beta (Phospho-Ser9) Antibody.



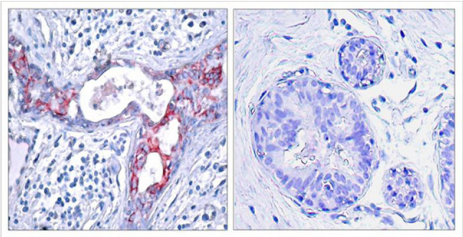
IF (Immunofluorescence)
Immunofluorescence staining of methanol-fixed HeLa cells showing cytoplasmic staining using GSK3beta (Phospho-Ser9) Antibody.



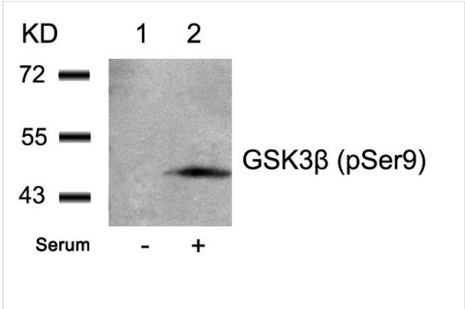
IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human Lung carcinoma tissue using GSK3beta (Phospho-Ser9) Antibody.



IF (Immunofluorescence)
Immunofluorescence staining of methanol-fixed HeLa cells showing cytoplasmic staining using GSK3beta (Phospho-Ser9) Antibody.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using GSK3beta (Phospho-Ser9) Antibody (left) or the same antibody preincubated with blocking peptide #51002 (right).



WB (Western Blot)
Western blot analysis of extracts from 293 cells untreated (lane 1) or treated with serum (lane 2) using GSK3beta (Phospho-Ser9) Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GSK3beta antibody	Participates in the Wnt signaling pathway. Implicated in the hormonal control of several regulatory proteins including glycogen synthase, MYB and the transcription factor JUN. Phosphorylates JUN at sites proximal to its DNA-binding domain, thereby reducing its affinity for DNA. Phosphorylates MUC1 in breast cancer cells, and decreases the interaction of MUC1 with CTNNB1/beta-catenin. Phosphorylates CTNNB1/beta-catenin.
Product Categories/Family for anti-GSK3beta antibody	Phospho-specific Ab

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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/gsk3beta-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/29709>