

Mouse GSK3B Monoclonal Antibody | anti-GSK3B antibody

GSK3B antibody

CATALOG # AAA106377	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence, ELISA
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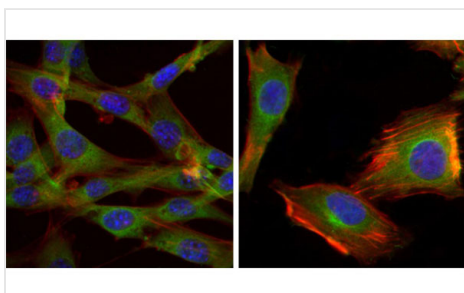
PRODUCT SYNONYMS

GSK3B; Monoclonal Antibody; GSK3B antibody; Monoclonal GSK3B; Anti-GSK3B; GSKB-3; GSK3 beta; GSKB 3; Glycogen synthase kinase 3 beta; anti-GSK3B antibody

PRODUCT SPECIFICATIONS

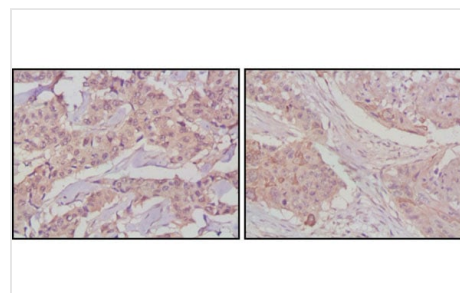
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	3D10
Form/Format	Supplied as a liquid in ascitic fluid containing 0.03% sodium azide.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	420
Applicable Applications for anti-GSK3B antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA
Biological Significance	Glycogen synthase kinase 3 beta is a serine/threonine kinase involved in insulin, growth factor and Wnt signaling. Glycogen synthase kinase 3 beta (Gsk3beta) is a molecular regulator of cell fate in the central nervous system and a target of the phosphatidylinositol 3-kinase (PI3k) pathway. It is an enzyme with a diverse number of actions in intracellular signaling systems, regulating neuronal plasticity, gene expression and cell survival.
Cross-Reactivity	Human, Rat, Mouse, Monkey
Immunogen	GSK3B antibody was raised in Mouse using a purified recombinant fragment of human GSK3B expressed in E Coli as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



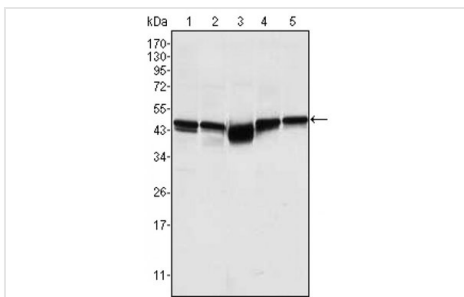
IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 (left) and U251 (right) cells using GSK3B antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human lung cancer (left) and breast cancer tissues (right) using GSK3B antibody with DAB staining.



WB (Western Blot)
 Western Blot showing GSK3B antibody used against A549 (1), K562 (2), PC-12 (3), NIH/3T3 (4), and HEK293 (5) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-GSK3B antibody	Mouse monoclonal GSK3B antibody
Product Categories/Family for anti-GSK3B antibody	Signal Transduction

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.