

GSK3B antibody

Catalog No: #38353



Package Size: #38353-1 50ul #38353-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

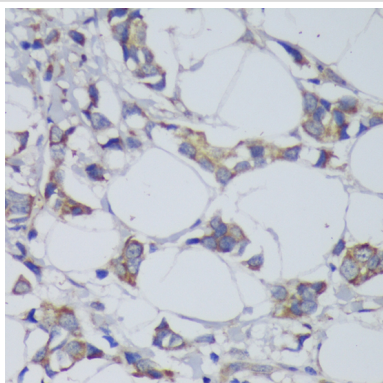
Description

Product Name	GSK3B antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total GSK3B protein.
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human GSK3B.
Conjugates	Unconjugated
Target Name	GSK3B
Other Names	GSK3B; GSK3β;
Accession No.	Swiss-Prot#: P49841 NCBI Gene ID: 2932
SDS-PAGE MW	48kd
Concentration	1.0mg/ml
Formulation	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.
Storage	Store at -20°C

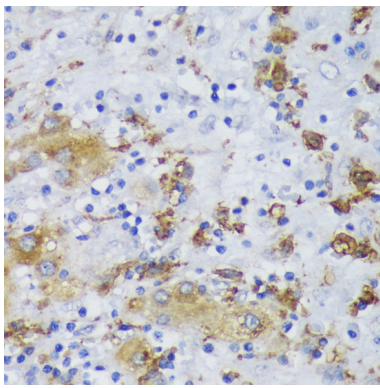
Application Details

WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200 IP 1:50 - 1:200

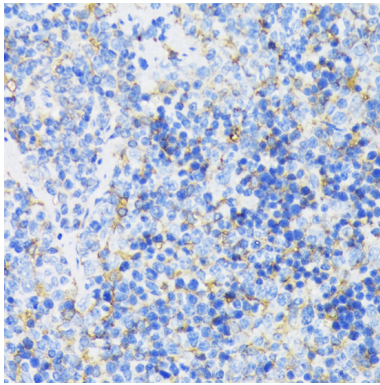
Images



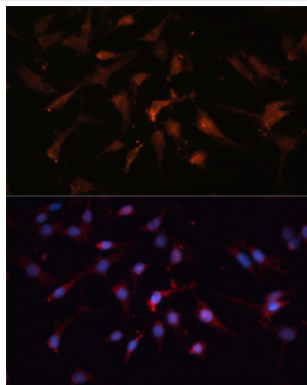
Immunohistochemistry of paraffin-embedded human mammary cancer using GSK3B antibody at dilution of 1:200 (40x lens).



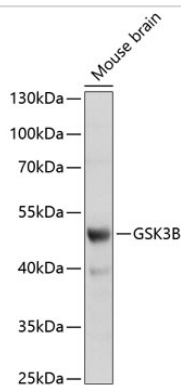
Immunohistochemistry of paraffin-embedded human liver cancer using GSK3B antibody at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded mouse spleen using GSK3B antibody at dilution of 1:200 (40x lens).



Immunofluorescence analysis of C6 cells using GSK3B antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Western blot analysis of extracts of mouse brain, using GSK3B antibody at 1:1000 dilution.

Background

Glycogen synthase kinase-3 (GSK-3) was initially identified as an enzyme that regulates glycogen synthesis in response to insulin (1). GSK-3 is a ubiquitously expressed serine/threonine protein kinase that phosphorylates and inactivates glycogen synthase. GSK-3 is a critical downstream element of the PI3K/Akt cell survival pathway whose activity can be inhibited by Akt-mediated phosphorylation at Ser21 of GSK-3 α and Ser9 of GSK-3 β (2,3). GSK-3 has been implicated in the regulation of cell fate in Dictyostelium and is a component of the Wnt signaling pathway required for *Drosophila*, *Xenopus*, and mammalian development (4). GSK-3 has been shown to regulate cyclin D1 proteolysis and subcellular localization (5).

Published Papers

Shuting Gao;Huihua Li;Zekun Li;Hong Wang;Xinyue Li;Shengyan Yang;Lin Huang;Baoping Zhang;Kailiang Zhang;James Kit Hon Tsoi;Jian He;Waruna Lakmal Dissanayaka et al., Multifunctional Injectable Bioadhesive with Toll-like Receptor 4 and Myeloid Differentiation Factor 2 Antagonistic Anti-inflammatory Potential for Periodontal Regeneration., , (2025)

[PMID:39951685](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.