

GSK3 α/β Antibody

Catalog No: #21301



Package Size: #21301-1 50ul #21301-2 100ul

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

Description

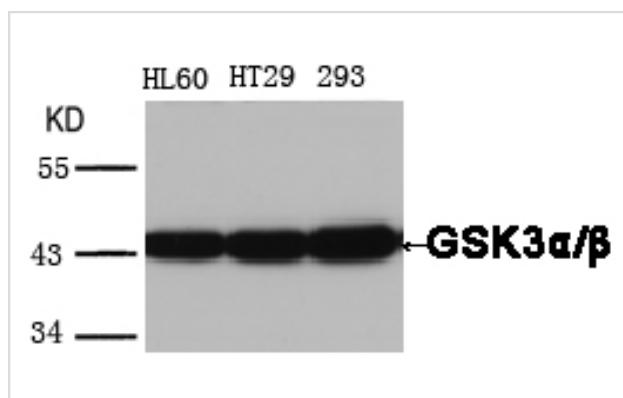
Product Name	GSK3 α/β Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total GSK3 α/β protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.277~281/214~218 (V-S-Y-I-C) derived from Human GSK3 α/β .
Conjugates	Unconjugated
Target Name	GSK3 α/β
Other Names	Factor A; GSK-3 α/β ; kinase GSK3- α/β
Accession No.	Swiss-Prot: P49840/P49841NCBI Protein: NP_063937.2/NP_001139628.1
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 for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 46, 51kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HL60, HT29 and 293 cells using GSK3 α/β (Ab-279/216) Antibody #21301.

Background

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.

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

Published Papers

el at., Cleavage of GSK-3 ϵ Y by Calpain Counteracts the Inhibitory Effect of Ser9 Phosphorylation on GSK-3 ϵ Y Activity Induced by H₂O₂ In J Neurochem on 2013 Jul by Ye Feng, Yiyuan Xia,et al..PMID:23646926, , (2013)

[PMID:23646926](#)

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