

GSK3 alpha Polyclonal Antibody

Catalog No: #21007



Package Size: #21007-1 50ul #21007-2 100ul

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

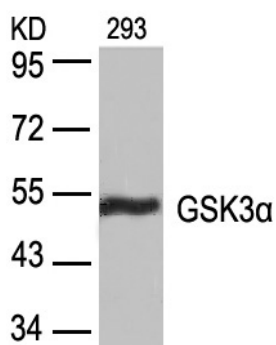
Description

Product Name	GSK3 alpha Polyclonal 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 IHC IF
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total GSK3a protein. and does not detect GSK-3b protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.19~23 (T-S-S-F-A) derived from Human GSK3a.
Conjugates	Unconjugated
Target Name	GSK3a
Other Names	Factor A, GSK-3 alpha, kinase GSK3-alpha,
Accession No.	Swiss-Prot: P49840NCBI Protein: NP_063937.2
Calculated MW	51kDa
SDS-PAGE MW	51kDa
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.

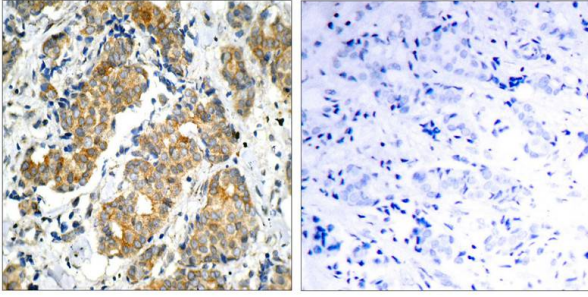
Application Details

WB 1:500-2000; IHC 1:50-300; IF 1:50-300;

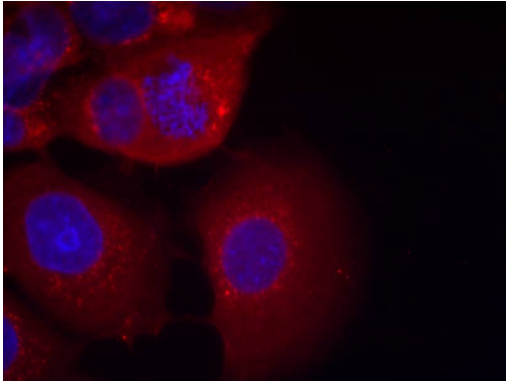
Images



Western blot analysis of extracts from 293 cells using GSK3a(Ab-21) Antibody #21007.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using GSK3α(Ab-21) Antibody #21007(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed MCF7 cells using GSK3α(Ab-21) Antibody #21007.

Background

Implicated in the hormonal control of several regulatory proteins including glycogen synthase, MYB and the transcription factor JUN

Barry FA, et al. (2003) FEBS Lett. 553(1-2): 173-178.

Koivisto L, et al. (2003) J Cell Sci. 116(Pt 18): 3749-3760.

Welsh G I, et al. (1996) Trends Cell Biol. 6:274-279.

Srivastava A K, et al. (1998) Mol. Cell. Biochem. 182: 135-141.

Cross D A, et al. (1995) Nature. 378: 785-789.

Published Papers

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

[PMID:23646926](https://pubmed.ncbi.nlm.nih.gov/23646926/)

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