



GSK3 α rabbit pAb

Cat No.:ES2485

For research use only

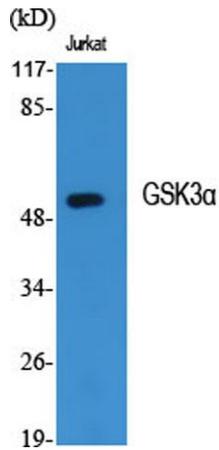
Overview

Product Name	GSK3 α rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;IP;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunoprecipitation: 2-5 ug/mg lysate. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human GSK3A. AA range:10-59
Specificity	GSK3 α Polyclonal Antibody detects endogenous levels of GSK3 α protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Glycogen synthase kinase-3 alpha
Gene Name	GSK3A
Cellular localization	mitochondrion,cytosol,beta-catenin destruction complex,postsynapse,
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	51kD
Human Gene ID	2931
Human Swiss-Prot Number	P49840
Alternative Names	GSK3A; Glycogen synthase kinase-3 alpha; GSK-3 alpha; Serine/threonine-protein kinase GSK3A
Background	glycogen synthase kinase 3 alpha(GSK3A) Homo sapiens This gene encodes a multifunctional Ser/Thr protein kinase that is implicated in the

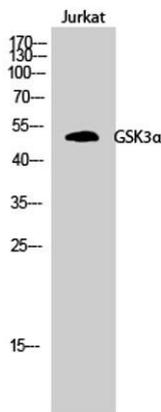




control of several regulatory proteins including glycogen synthase, and transcription factors, such as JUN. It also plays a role in the WNT and PI3K signaling pathways, as well as regulates the production of beta-amyloid peptides associated with Alzheimer's disease. [provided by RefSeq, Oct 2011],

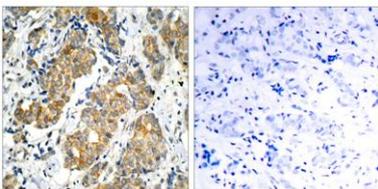


Western Blot analysis of various cells using GSK3α Polyclonal Antibody



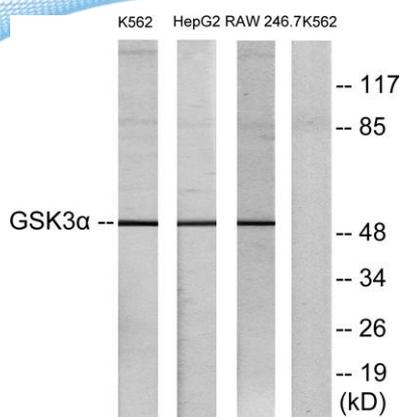
Western Blot analysis of Jurkat cells using GSK3α Polyclonal Antibody

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using GSK3 alpha Antibody. The picture on the right is blocked with the synthesized peptide.





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Western blot analysis of lysates from K562, HepG2, and RAW264.7 cells, using GSK3 alpha Antibody. The lane on the right is blocked with the synthesized peptide.



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