

GSK3α (phospho Ser21) Polyclonal Antibody

Catalog No :	YP0122
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;IP;ELISA
Target :	GSK3α
Fields :	>>Chemokine signaling pathway;>>Dopaminergic synapse;>>Non-alcoholic fatty liver disease;>>Shigellosis
Gene Name :	GSK3A
Protein Name :	Glycogen synthase kinase-3 alpha
Human Gene Id :	2931
Human Swiss Prot No :	P49840
Mouse Gene Id :	606496
Mouse Swiss Prot No :	Q2NL51
Rat Gene Id :	50686
Rat Swiss Prot No :	P18265
Immunogen :	The antiserum was produced against synthesized peptide derived from human GSK3 alpha around the phosphorylation site of Ser21. AA range:10-59
Specificity :	Phospho-GSK3α (S21) Polyclonal Antibody detects endogenous levels of GSK3α protein only when phosphorylated at S21.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. Immunoprecipitation: 2-5 ug:mg lysate.

ELISA: 1:20000.. IF 1:50-200

Purification : The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 55kD

Cell Pathway : Chemokine;

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],

Function : catalytic activity:ATP + [tau protein] = ADP + [tau protein] phosphate.,function:Implicated in the hormonal control of several regulatory proteins including glycogen synthase, MYB and the transcription factor JUN.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. GSK-3 subfamily.,similarity:Contains 1 protein kinase domain.,subunit:Monomer.,

Subcellular Location : apical dendrite;axon;beta-catenin destruction complex;cytoplasm;cytosol;mitochondrion;neuronal cell body;nucleus;postsynapse;proximal dendrite;

Expression : Brain, Eye, Foreskin, Lung, Pancreas, Platelet, Testis,

Tag : ip

Sort : 7161

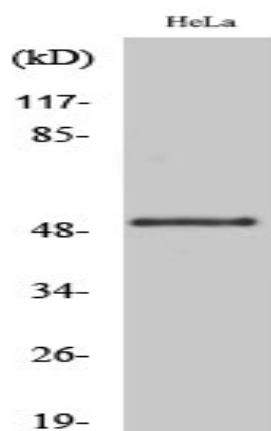
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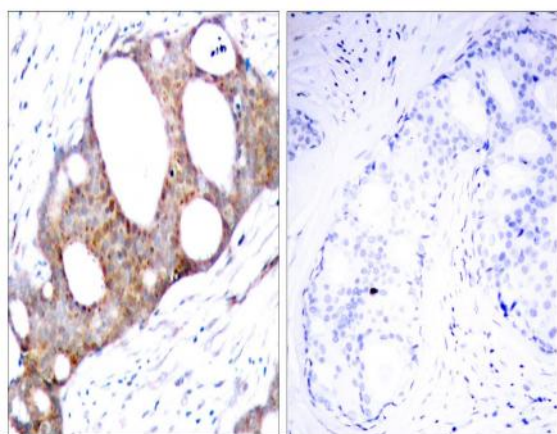
Host : Rabbit

Modifications : Phospho

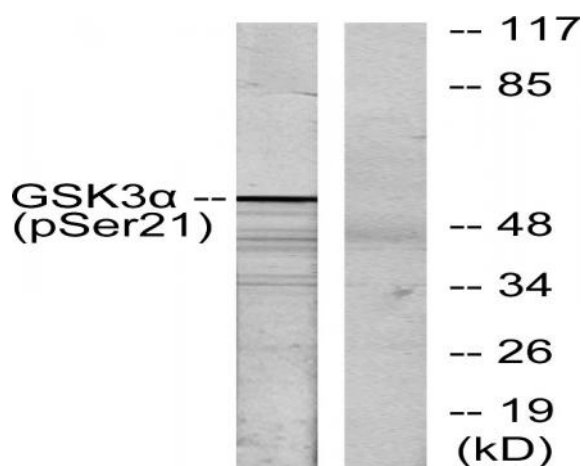
Products Images



Western Blot analysis of various cells using Phospho-GSK3α (S21) Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using GSK3 alpha (Phospho-Ser21) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from ovary cancer, using GSK3 alpha (Phospho-Ser21) Antibody. The lane on the right is blocked with the phospho peptide.