

GSK3 α (Phospho Ser21) Rabbit pAb

CatalogNo: YP0122 [Comparable Abs](#) 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, IP, ELISA

MW

- 55kD (Observed)

Isotype

- IgG

Storage

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

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

IP 2-5 ug/mg lysate

ELISA 1:20000

IF 1:50-200

Basic Information

Clonality Polyclonal

Immunogen Information

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. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):TSsFA

| Target Information

Gene name GSK3A

Protein Name Glycogen synthase kinase-3 alpha

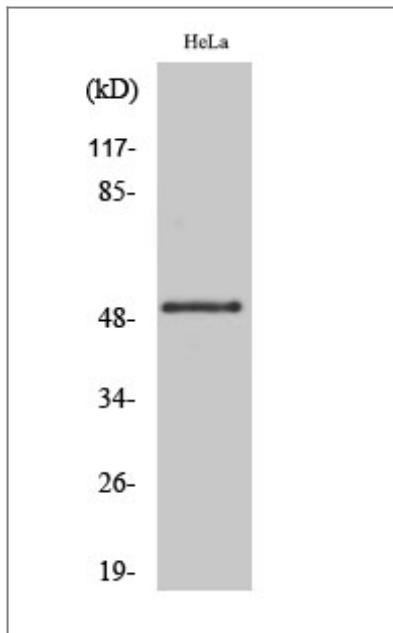
Organism	Gene ID	UniProt ID
Human	2931 ;	P49840 ;
Mouse	606496 ;	Q2NL51 ;
Rat	50686 ;	P18265 ;

Cellular Localization apical dendrite;axon;beta-catenin destruction complex;cytoplasm;cytosol;mitochondrion;neuronal cell body;nucleus;postsynapse;proximal dendrite;

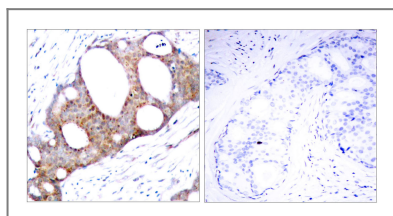
Tissue specificity Brain ,Eye ,Foreskin ,Lung ,Pancreas ,Platelet ,Testis ,

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. ,

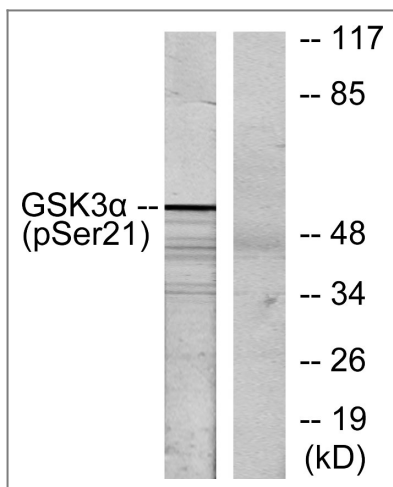
| Validation Data



Western Blot analysis of various cells using Phospho-GSK3 α (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.

Contact information

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