# GSK3α (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

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|---|---|
| **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

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|---|---|
| **Clonality** | Polyclonal |

## Immunogen Information

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|---|---|
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human GSK3 alpha around the phosphorylation site of Ser21. AA range:10-59 |

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| **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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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 |

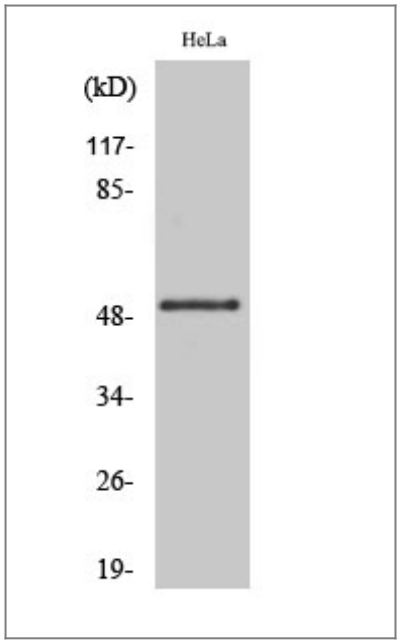
## Target Information

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|---|---|
| **Gene name** | GSK3A |
| **Protein Name** | Glycogen synthase kinase-3 alpha |

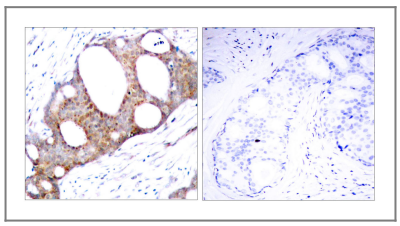
| Organism | Gene ID | UniProt ID |
|---|---|---|
| Human | 2931; | P49840; |
| Mouse | 606496; | Q2NL51; |
| Rat | 50686; | P18265; |

| | |
|---|---|
| **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. , |

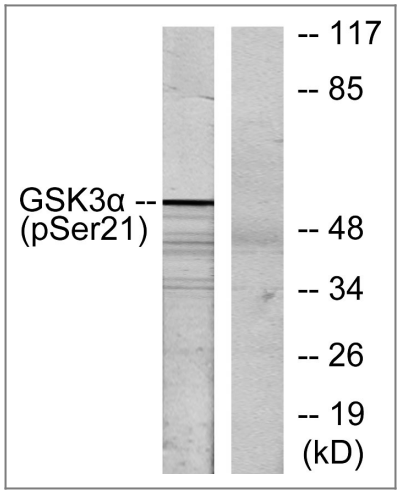
## Validation Data




Western Blot analysis of various cells using Phospho-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.

## Contact information


| | |
|---|---|
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Please scan the QR code to access additional product information:
**GSK3α (Phospho Ser21) Rabbit pAb**