

GSK3 β (Phospho Thr390) Rabbit pAb

CatalogNo: YP1350 **Orthogonal Validated** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 48kD (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 1:1000-2000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized phospho peptide around human GSK3 β (Thr390)

Specificity This antibody detects endogenous levels of Human GSK-3 β (phospho-Thr390)

Target Information

Gene name GSK3B

Protein NameGSK-3 β (Thr390)

Organism	Gene ID	UniProt ID
Human	2932 ;	P49841 ;
Mouse	56637 ;	Q9WV60 ;
Rat	84027 ;	P18266 ;

Cellular Localization

Cytoplasm . Nucleus . Cell membrane . The phosphorylated form shows localization to cytoplasm and cell membrane (PubMed:20937854) . The MEMO1-RHOA-DIAPH1 signaling pathway controls localization of the phosphorylated form to the cell membrane (PubMed:20937854) . .

Tissue specificity

Expressed in testis , thymus , prostate and ovary and weakly expressed in lung , brain and kidney. Colocalizes with EIF2AK2/PKR and TAU in the Alzheimer disease (AD) brain.

Function

Catalytic activity:ATP + [tau protein] = ADP + [tau protein] phosphate. ,enzyme regulation:Inhibited when phosphorylated by AKT1. ,Function:Participates in the Wnt signaling pathway. Implicated in the hormonal control of several regulatory proteins including glycogen synthase , MYB and the transcription factor JUN. Phosphorylates JUN at sites proximal to its DNA-binding domain , thereby reducing its affinity for DNA. Phosphorylates MUC1 in breast cancer cells , and decreases the interaction of MUC1 with CTNNB1/beta-catenin. ,PTM:Phosphorylated by AKT1 and ILK1. ,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 (By similarity) . Interacts with CABYR , MUC1 , NIN and PRUNE. ,tissue specificity:Expressed in testis , thymus , prostate and ovary and weakly expressed in lung , brain and kidney. ,

| Validation Data

| Contact information

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