

GSK3 β Mouse mAb

CatalogNo: YM1273

Comparable Abs 

Key Features

Host Species

- Mouse

Reactivity

- Human, Mouse

Applications

- WB, IF, IP

MW

- 46kD (Observed)

Recommended Dilution Ratios

WB 1:1000**ICC 1:200****IF 1:50-200**

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.

Basic Information

Clonality

Monoclonal

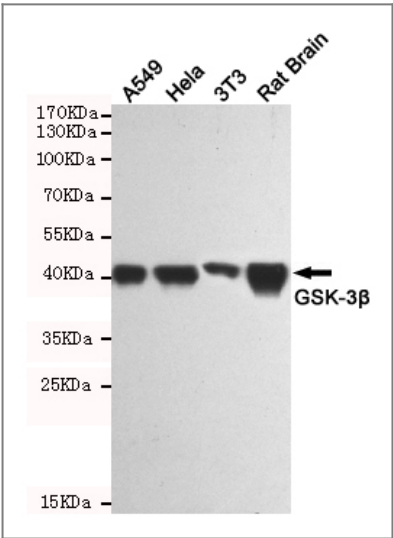
Immunogen Information

ImmunogenPurified recombinant GSK-3 β protein fragments expressed in E.coli.**Specificity**This antibody detects endogenous levels of GSK-3 β and does not cross-react with related proteins.

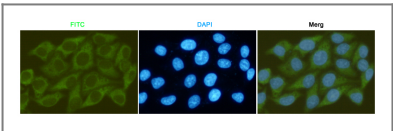
Target Information

Gene name	gsk-3 beta		
Protein Name	Organism	Gene ID	UniProt ID
	Human	2932;	P49841;
	Mouse		Q9WV60;
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.,		

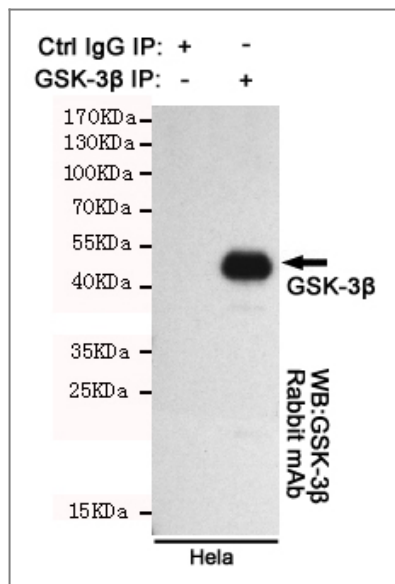
| Validation Data



Western blot analysis of extracts from A549, HeLa, 3T3 and Rat Brain cell lysates using GSK-3β mouse mAb(1:1000 diluted).Predicted band size:46KDa.Observed band size:46KDa.



Immunocytochemistry staining of HeLa cells fixed with -20°C Methanol and using GSK-3β mouse mAb (dilution 1:200).



Immunoprecipitation analysis of Hela cell lysates using GSK-3 β . GSK-3 β Rabbit mAb was used for the western blot analysis (1:1000 diluted).

Contact information

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Please scan the QR code to access additional product information:
GSK3 β Mouse mAb

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