

**GSK3 $\alpha$  Monoclonal Antibody**

<b>Catalog No :</b>	YM0315
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	GSK3 $\alpha$
<b>Fields :</b>	>>Chemokine signaling pathway;>>Dopaminergic synapse;>>Non-alcoholic fatty liver disease;>>Shigellosis
<b>Gene Name :</b>	GSK3A
<b>Protein Name :</b>	Glycogen synthase kinase-3 alpha
<b>Human Gene Id :</b>	2931
<b>Human Swiss Prot No :</b>	P49840
<b>Mouse Swiss Prot No :</b>	Q2NL51
<b>Immunogen :</b>	Purified recombinant fragment of GSK3 $\alpha$ expressed in E. Coli.
<b>Specificity :</b>	GSK3 $\alpha$ Monoclonal Antibody detects endogenous levels of GSK3 $\alpha$ protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:200 - 1:1000. ELISA: 1:10000.. IF 1:50-200
<b>Purification :</b>	Affinity purification
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	51kD

**Cell Pathway :** Chemokine;

**P References :**

1. Bradley W. Doble and James R. Woodgett. J. Cell Sci., Apr 2003; 116: 1175.
2. C. Laura Sayas , Aafke Ariaens, Bas Ponsioen. Mol. Biol. Cell, Apr 2006; 17: 1834 – 1844.

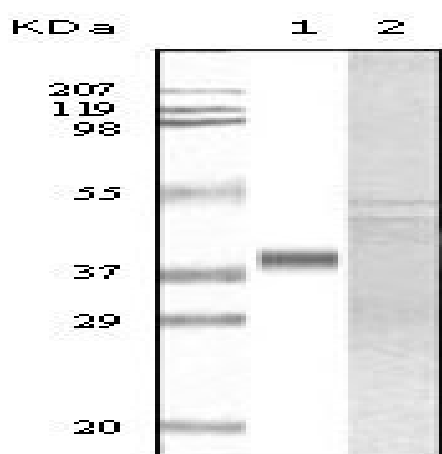
**Background :** glycogen synthase kinase 3 alpha(GSK3A) Homo sapiens This gene encodes a multifunctional Ser/Thr protein kinase that is implicated in the control of several regulatory proteins including glycogen synthase, and transcription factors, such as JUN. It also plays a role in the WNT and PI3K 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.,

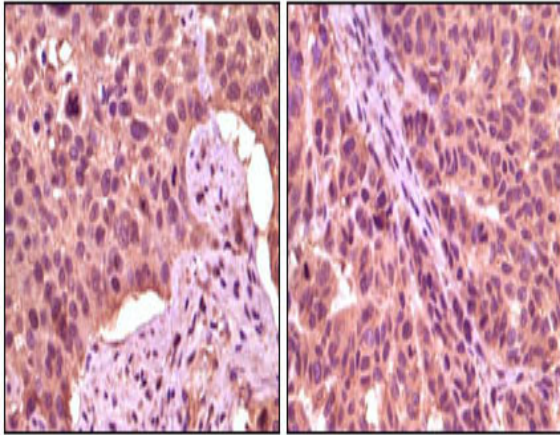
**Subcellular Location :** mitochondrion,cytosol,beta-catenin destruction complex,postsynapse,

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

## Products Images



Western Blot analysis using GSK3α Monoclonal Antibody against truncated GSK3 alpha recombinant protein (1) and A549 cell lysate (2).



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma (left) and skin carcinoma (right), showing cytoplasmic localization with DAB staining using GSK3 $\alpha$  Monoclonal Antibody.