



GSK3α /β Monoclonal Antibody

Catalog No	YP-mAb-14770
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	GSK3A/GSK3B
Immunogen	The antiserum was produced against synthesized peptide derived from human GSK3 alpha/beta. AA range:246-295
Specificity	GSK3α/β Monoclonal Antibody detects endogenous levels of GSK3α/β protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DKFZp686D638;Glycogen synthase kinase 3 alpha;Glycogen synthase kinase-3 alpha;GSK 3 alpha;GSK 3A;GSK-3 alpha;Gsk3a;GSK3A_HUMAN;GSK3alpha;Serine/threonine protein kinase GSK3A;Glycogen Synthase Kinase 3 Beta;Glycogen synthase kinase-3 beta;GSK 3 beta;GSK-3 beta;GSK3B;GSK3B_HUMAN;GSK3beta isoform;Serine/threonine-protein kinase GSK3B;GSK3α/β;GSK3A/GSK3B;Glycogen synthase kinase-3 alpha/beta;Serine/threonine-protein kinase GSK3A
Observed Band	51 46kD
Calculated Molecular Weight	51,46kD
Cell Pathway	mitochondrion,cytosol,beta-catenin destruction complex,postsynapse,
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.,



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],

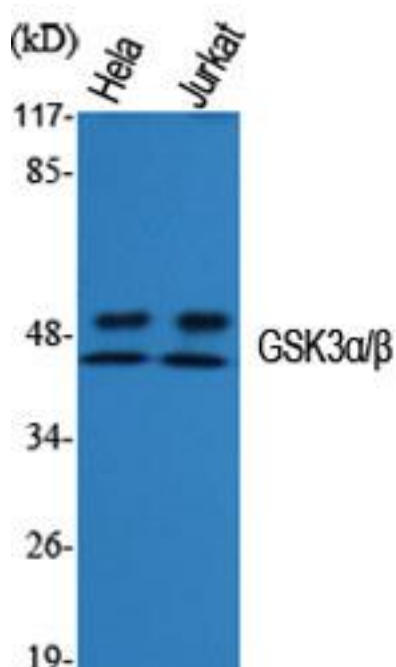
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using GSK3α /β Monoclonal Antibody