



GSK3 α / β Rabbit mAb

Catalog No	YP-rAb-17872
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
Gene Name	GSK3A/GSK3B
Protein Name	Glycogen synthase kinase-3 alpha/beta
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:400-1:800; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	GSK3A ; Glycogen synthase kinase-3 alpha ; GSK-3 alpha ; Serine/threonine-protein kinase GSK3A ; GSK3B ; Glycogen synthase kinase-3 beta ; GSK-3 beta ; Serine/threonine-protein kinase GSK3B
Observed Band	51kD,47kD
Calculated Molecular Weight	51kD,47kD
Cell Pathway	Cytoplasm
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 inThe control of several regulatory proteins including glycogen synthase, and transcription factors, such as JUN. It also plays a role inThe WNT and PI3K signaling pathways, as well as





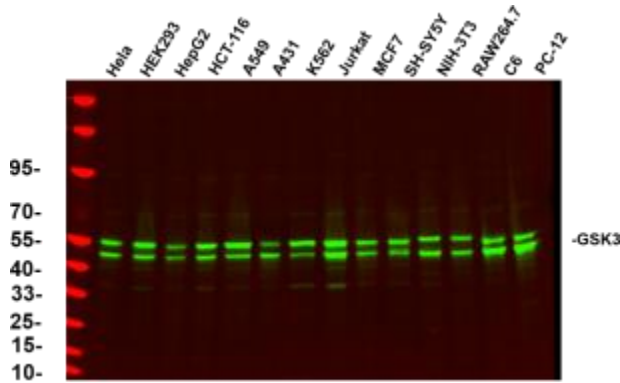
regulatesThe production of beta-amyloid peptides associated with Alzheimer's disease. [provided by RefSeq, Oct 2011],

matters needing attention

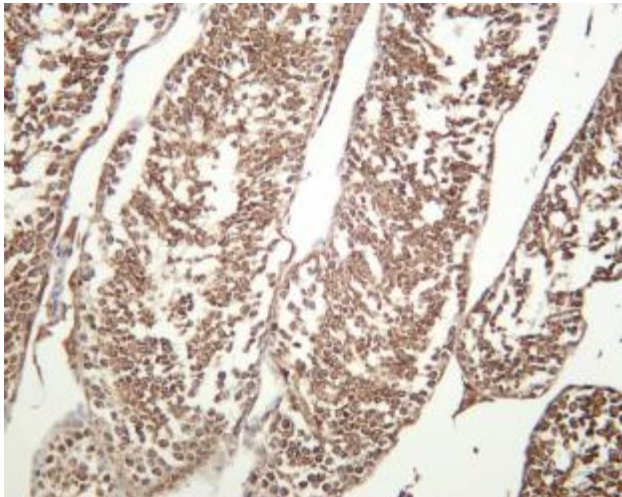
Avoid repeated freezing and thawing!

Usage suggestions

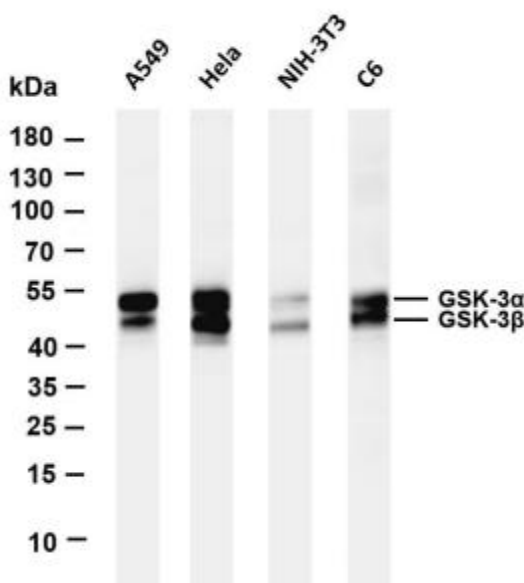
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4°C, over night with a 1:5000 dilution. The Dylight 800-conjugated Goat anti-Rabbit antibody

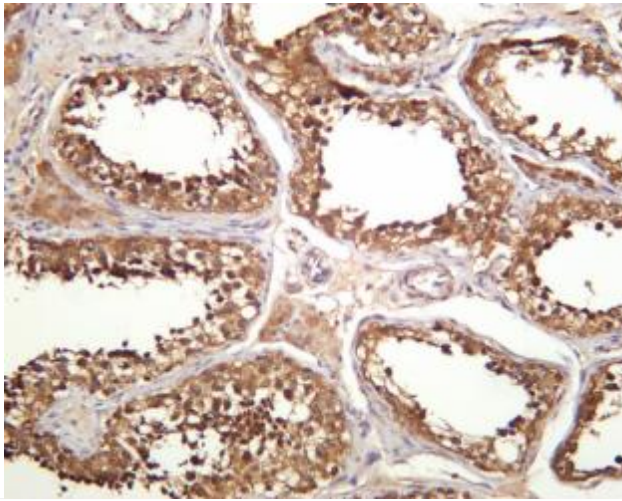


Mouse testis was stained with anti-GSK3 α/β rabbit antibody

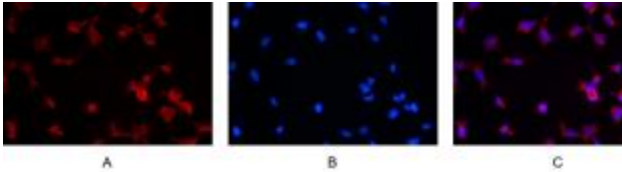


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-GSK3 α/β antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: A549 Lane 2: HeLa Lane 3: NIH-3T3 Lane 4: C6. Predicted band size: 51,47kDa Observed band size: 51,47kDa





Human testis was stained with anti-GSK3 α/β rabbit antibody



Immunofluorescence analysis of HEK293. Picture A: GSK3 α/β antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B

