## For Research Use Only

## GSK3B Polyclonal antibody

Catalog Number:22104-1-AP

Featured Product

312 Publications

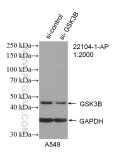


Cited Applications: kidney tissue, mouse ovary tissue, LNCaP cells, mouse ovary tissue, LNCAP cells	Basic Information	Catalog Number: 22104-1-AP	GenBank Accession Number: BC000251		Purification Method: Antigen affinity purification	
WB, IP, IF, IHC, EUSA WB, IP, IF, IHC, EUSA   Cited Applications: WB, IP, IF, RP, IHC, CoIP   Species Specificity: tissue, rat brain tissue, PC-3 cells, mouse brain tissue, PC-3 cells, mouse thyr tissue, Tat brain tissue, PC-3 cells, mouse thyre test brain tissue, PC-3 cells, mouse thyre tissue, Tat thyrin tissue, PC-3 cells, PC-3 cells, PC-3 cells, PC-3 cells, PC-3 cells, MCF-7 cells, PC-3 cells, PC-4 cells,		150ul , Concentration: 300 µg/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number:	2932 UNIPROT ID: P49841 Full Name: glycogen synthas Calculated MW: 433 aa, 48 kDa Observed MW:	se kinase 3 beta	WB 1:1000-1:8000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:100-1:400	
Wile, H., H., H., EDJA WB, H., H., H., EDJA   Cited Applications: WB, H.P., JR, H.H.C., CoIP   Storage Kidney tissue, mouse ovary tissue, URCAP cells, mouse thrain tissue, PC-3 cells, mouse thry tissue, mouse ovary tissue, URCAP cells, mouse thry tissue, mouse ovary tissue, URCAP cells, mouse thry tissue, mouse brain tissue, PC-3 cells, the provide the provide tissue, the mouse brain tissue, PC-3 cells, the provide tissue, the mouse thry tissue, and thisting typogen synthase cases the terminal of CSK38.   Background Information Glycogen synthase kinase-3 (GSK3) is a proline-directed serine-threonine kinase that was initially identified as a phosphorylating and inhibiting CYS1 activity and hence glycogen synthesis. R	Applications	Tested Applications:		Positive Con	trols:	
human, mouse, rat IP: mouse frat   Cited Species: human, chicken, rat, mouse, zebrafish, hamster, pig. IP: mouse brain tissue,   Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 IF: MCF-7 cells,   Background Information Glycogen synthase kinase-3 (GSK3) is a proline-directed serine-threonine kinase that was initially identified as a phosphorylating and inactivating glycogen synthase. CSK3B is involved in energy metabolism, neuronal cell development, and body pattern formation. Inskeletal muscle, it contributes to INS regulation of glycogen synthase that the cryst structure of human GS(3B, expressed in insect cells, at 2.8-angstrom resolution. This antibody recognize the C-terminal of GSK3B.   Notable Publications Author Pubmed ID Journal Application   Silin Liu 34591063 Genet Mol Biol WB   'I Yang 30356420 Mediators Inflamm WB   Storage Storage: Storage: Storage Grave and 50% glycerol pH 7.3. Aliquoting is unnecessary for -20°C storage	Аррисанонз	Cited Applications:		kidney tissue, testis tissue,	WB : HeLa cells, A549 cells, mouse brain tissue, mouse kidney tissue, mouse ovary tissue, LNCaP cells, mouse testis tissue, rat brain tissue, PC-3 cells, mouse thymu	
Cited Species: HHC: human human, chicken, rat, mouse, zebrafish, hamster, pig. bovine HHC: human lung cancer tissue, human prostate hyperplasia tissue, human testis tissue, rat colon tissue   Note-HHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 IF: MCF-7 cells,   Background Information Glycogen synthase kinase-3 (GSK3) is a proline-directed serine-threonine kinase that was initially identified as a phosphorylating and inactivating glycogen synthase.GSK3B is involved in energy metabolism, neuronal cell development, and body pattern formation.In skeletal muscle, it contributes to INS regulation of glycogen synthese by phosphorylating and inhibiting GYS1 activity and hence glycogen synthesis. Researches showed that the cryst structure of human GSK3B, expressed in insect cells, at 2.8-angstrom resolution. This antibody recognize the C-terminal of GSK3B.   Notable Publications Author Pubmed ID Journal Application   Storage Storage: Storage: Storage: Storage:   Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Aliquoting is unnecessary for -20°C storage				•		
TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0   Background Information Glycogen synthase kinase-3 (GSK3) is a proline-directed serine-threonine kinase that was initially identified as a phosphorylating and inactivating glycogen synthase. GSK3B is involved in energy metabolism, neuronal cell development, and body pattern formation.In skeletal muscle, it contributes to INS regulation of glycogen synthese by phosphorylating and inhibiting GYS1 activity and hence glycogen synthesis. Researches showed that the cryst structure of human GSK3B, expressed in insect cells, at 2.8-angstrom resolution. This antibody recognize the C-terminal of GSK3B.   Notable Publications Author Pubmed ID Journal Application   Silin Liu 34591063 Genet Mol Biol WB   Ke-Xin Wang 34649212 Phytomedicine WB   Yi Yang 30356420 Mediators Inflamm WB   Storage Storage Euffer: PDC: Stable for one year after shipment. Storage Buffer: PDC: Stable for one year after shipment. Storage Buffer:   PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Aliquoting is unnecessary for -20°C storage Storage		Cited Species: human, chicken, rat, mouse, zebrafish, hamster, pig, having		IHC : human hyperplasia	lung cancer tissue, human prostate	
Datk growthattion phosphorylating and inactivating glycogen synthase.GSK3B is involved in energy metabolism, neuronal cell development, and body pattern formation.In skeletal muscle, it contributes to INS regulation of glycogen synthesis by phosphorylating and inhibiting GYS1 activity and hence glycogen synthesis. Researches showed that the cryst structure of human GSK3B, expressed in insect cells, at 2.8-angstrom resolution. This antibody recognize the C-terminal of GSK3B.   Notable Publications Author Pubmed ID Journal Application   Silin Liu 34591063 Genet Mol Biol WB   Vi Yang 30356420 Mediators Inflamm WB   Storage: Storage: Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.   Aliquoting is unnecessary for -20°C storage Storage Storage		<b>TE buffer pH 9.0; (*)</b> Alternatively, antigen retrieval may be performed with citrate			lls,	
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Ke-Xin Wang 34649212 Phytomedicine WB   Yi Yang 30356420 Mediators Inflamm WB   Storage: Storage: Storage at -20°C. Stable for one year after shipment.   Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Aliquoting is unnecessary for -20°C storage	Notable Publications	Author Pub	med ID Jo	urnal	Application	
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Store at -20°C. Stable for one year after shipment. Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Aliquoting is unnecessary for -20°C storage		Yi Yang 303	56420 Me	ediators Inflamm	WB	
	Storage	Store at -20°C. Stable for one year af	ter shipment.			
	Stordge		% glycerol pH 7.3.			

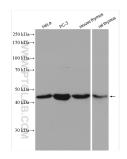
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free<br/>in USA), or 1(312) 455-8498 (outside USA)E: proteintech@ptglab.comW: ptglab.com

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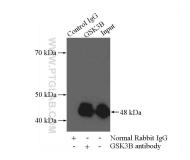
## Selected Validation Data



WB result of GSK3B antibody (22104-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-GSK3B transfected A549 cells.



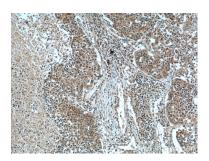
Various lysates were subjected to SDS PAGE followed by western blot with 22104-1-AP (GSK3B antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



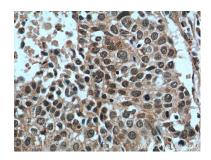
IP result of anti-GSK3B (IP:22104-1-AP, 4ug; Detection:22104-1-AP 1:1000) with mouse brain tissue lysate 4000ug.



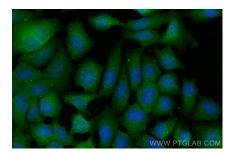
Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using GSK3B antibody (22104-1-AP) at dilution of 1:2000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 22104-1-AP (GSK3B Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 22104-1-AP (GSK3B Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using GSK3B antibody (22104-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).