

For Research Use Only

GSK3B Recombinant antibody

Catalog Number: 82061-1-RR



Basic Information

Catalog Number: 82061-1-RR	GenBank Accession Number: BC000251	Purification Method: Protein A purification
Size: 500 µg/ml	GeneID (NCBI): 2932	CloneNo.: 4N21
Source: Rabbit	UNIPROT ID: P49841	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate IHC 1:225-1:900
Isotype: IgG	Full Name: glycogen synthase kinase 3 beta	
Immunogen Catalog Number: AG17320	Calculated MW: 433 aa, 48 kDa	
	Observed MW: ~45 kDa	

Applications

Tested Applications:

IHC, IP, WB, ELISA

Species Specificity:

Human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HEK-293 cells, HeLa cells, HepG2 cells, A549 cells, Jurkat cells, PC-12 cells, NIH/3T3 cells

IP : HeLa cells,

IHC : mouse skin tissue,

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 synthesis by phosphorylating and inhibiting GYS1 activity and hence glycogen synthesis.

Storage

Storage:

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

For technical support and original validation data for this product please contact:

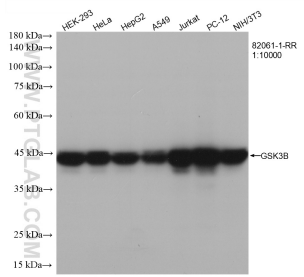
T: 4006900926

E: Proteintech-CN@ptglab.com

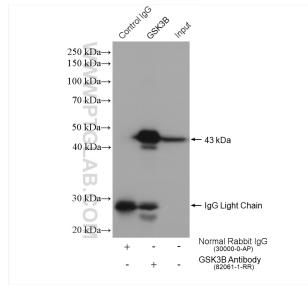
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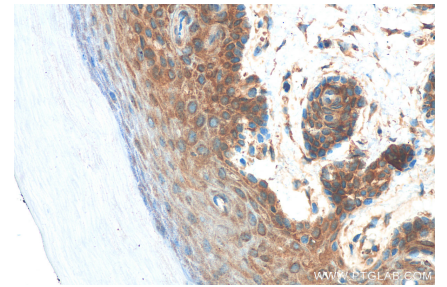
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82061-1-RR (GSK3B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



IP result of anti-GSK3B (IP:82061-1-RR, 4ug; Detection:82061-1-RR 1:5000) with HeLa cells lysate 1720 ug.



Immunohistochemical analysis of paraffin-embedded mouse skin tissue slide using 82061-1-RR (GSK3B antibody) at dilution of 1:450 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).