

For Research Use Only

# GSK3B Recombinant antibody, PBS Only



Catalog Number: 82061-1-PBS

## Basic Information

<b>Catalog Number:</b> 82061-1-PBS	<b>GenBank Accession Number:</b> BC000251	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 2932	<b>CloneNo.:</b> 4N21
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P49841	
<b>Isotype:</b> IgG	<b>Full Name:</b> glycogen synthase kinase 3 beta	
<b>Immunogen Catalog Number:</b> AG17320	<b>Calculated MW:</b> 433 aa, 48 kDa	
	<b>Observed MW:</b> ~45 kDa	

## Applications

**Tested Applications:**  
WB, IP, Indirect ELISA, IHC

**Species Specificity:**  
Human, mouse, rat

## 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 -80°C.

**Storage Buffer:**  
PBS Only

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

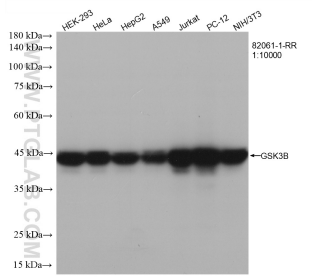
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

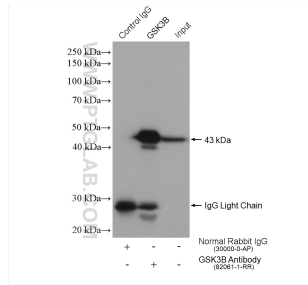
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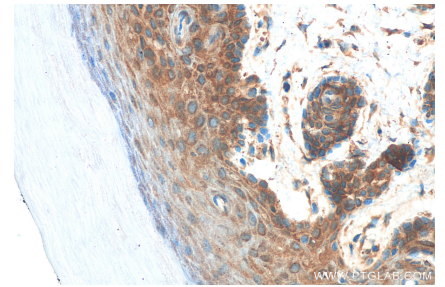
## Selected Validation Data



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. This data was developed using the same antibody clone with 82061-1-PBS in a different storage buffer formulation.



IP result of anti-GSK3B (IP:82061-1-RR, 4ug; Detection:82061-1-RR 1:5000) with HeLa cells lysate 1720 ug. This data was developed using the same antibody clone with 82061-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 82061-1-PBS in a different storage buffer formulation.