



Datasheet for ABIN7531588  
**anti-GSK3 beta antibody**



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1 Image

### Overview

Quantity:	20 µL
Target:	GSK3 beta (GSK3b)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GSK3 beta antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

### Product Details

Purpose:	GSK3β Rabbit pAb
Immunogen:	Recombinant protein of human GSK3beta.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

### Target Details

Target:	GSK3 beta (GSK3b)
Alternative Name:	GSK3B ( <a href="#">GSK3b Products</a> )
Background:	The protein encoded by this gene is a serine-threonine kinase belonging to the glycogen

## Target Details

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synthase kinase subfamily. It is a negative regulator of glucose homeostasis and is involved in energy metabolism, inflammation, ER-stress, mitochondrial dysfunction, and apoptotic pathways. Defects in this gene have been associated with Parkinson disease and Alzheimer disease.,GSK3B,gsk-3β,Epigenetics & Nuclear Signaling,Translation Control,Regulation of eIF4 and p70 S6 Kinase,Regulation of eIF2,Cancer,Signal Transduction,Kinase,Serine/threonine kinases,PI3K-Akt Signaling Pathway,mTOR Signaling Pathway,ErbB-HER Signaling Pathway,MAPK-Erk Signaling Pathway,Cell Biology & Developmental Biology,Apoptosis,Inhibition of Apoptosis,Cell Cycle,Centrosome,G1/S Checkpoint,Cell Adhesion,Microtubules,Hedgehog Signaling Pathway,Wnt/β-Catenin Signaling Pathway,ESC Pluripotency and Differentiation,Endocrine & Metabolism,Carbohydrate metabolism,Insulin Receptor Signaling Pathway,Endocrine and metabolic diseases,Diabetes,Immunology & Inflammation,B Cell Receptor Signaling Pathway,NF-κB Signaling Pathway,Neuroscience,Neurodegenerative Diseases,Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease,Neurodegenerative Diseases Markers,Other Neurological disorders,Stem Cells,Cardiovascular,Heart,Hypertrophy,Akt downstream targets,GSK3B

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Molecular Weight: 46kDa/48kDa

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Gene ID: 2932

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UniProt: [P49841](#)

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Pathways: [WNT Signaling](#), [Hedgehog Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [Cellular Glucan Metabolic Process](#), [ER-Nucleus Signaling](#), [Regulation of Carbohydrate Metabolic Process](#), [Hepatitis C](#), [Autophagy](#), [BCR Signaling](#), [Warburg Effect](#)

## Application Details

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Application Notes: WB,1:500 - 1:2000,IP,1:50 - 1:100

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

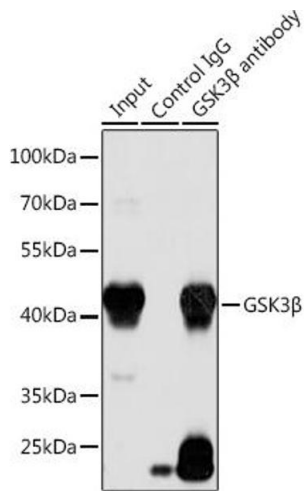
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## Handling

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

## Images



### Immunoprecipitation

**Image 1.** Immunoprecipitation analysis of 200 µg extracts of LO2 cells using 3 µg GSK3β antibody . Western blot was performed from the immunoprecipitate using GSK3β antibody at a dilution of 1:1000.