Datasheet for ABIN7529527

# anti-GSK3 beta antibody (C-Term)

1 Image

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## Overview

| | |
|---|---|
| Quantity: | 20 µL |
| Target: | GSK3 beta (GSK3b) |
| Binding Specificity: | C-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This GSK3 beta antibody is un-conjugated |
| Application: | Western Blotting (WB) |

## Product Details

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|---|---|
| Purpose: | GSK3β Rabbit pAb |
| Immunogen: | A synthetic peptide corresponding to a sequence within amino acids 300 to the C-terminus of human GSK3beta (NP_001139628.1). |
| Sequence: | PWTKVFRPRT PPEAIALCSR LLEYTPTARL TPLEACAHSF FDELRDPNVK LPNGRDTPAL FNFTTQELSS NPPLATILIP PHARIQAAAS TPTNATAASD ANTGDRGQTN NAASASASNS T |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Characteristics: | Polyclonal Antibodies |
| Purification: | Affinity purification |

## Target Details

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|---|---|
| Target: | GSK3 beta (GSK3b) |
| Alternative Name: | GSK3B (GSK3b Products) |
| Background: | The protein encoded by this gene is a serine-threonine kinase, belonging to the glycogen synthase kinase subfamily. It is involved in energy metabolism, neuronal cell development, and body pattern formation. Polymorphisms in this gene have been implicated in modifying risk of Parkinson disease, and studies in mice show that overexpression of this gene may be relevant to the pathogenesis of Alzheimer disease. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.,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-kB 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 |
| Molecular Weight: | 46kDa/48kDa |
| Gene ID: | 2932 |
| UniProt: | P49841 |
| 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 |
| Restrictions: | For Research Use only |

## Handling

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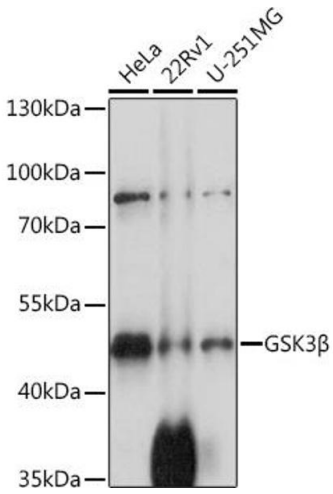
| Format: | Liquid |
| Buffer: | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |

## Images




**Western Blotting**

**Image 1.** Western blot analysis of extracts of various cell lines, using GSK3β antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 15s.