

## Rabbit anti-Human GSK3B / GSK3 Beta Polyclonal Antibody | anti-GSK3B antibody

Rabbit Polyclonal to Human GSK3B / GSK3 Beta

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                   |
|-----------|--------|------------|----------------------------------------------------------------|
| AAA50721  | Rabbit | Human      | ELISA, Immunoprecipitation, Western Blot, Immunohistochemistry |

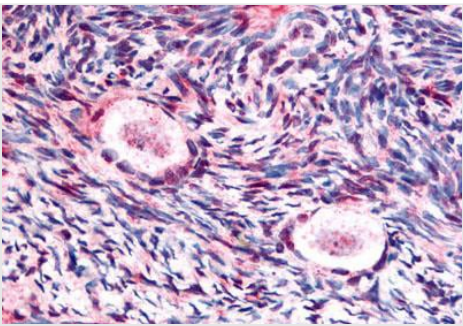
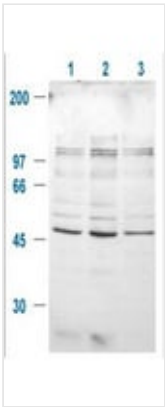
### PRODUCT SYNONYMS

GSK3B / GSK3 Beta; Polyclonal Antibody; Rabbit Polyclonal to Human GSK3B / GSK3 Beta; Anti-GSK3B / GSK3 Beta Antibody (phospho-Ser9) IHC-plus; GSK3B; GSK-3 beta; GSK3 beta; GSK3beta; GSK3beta isoform; TPKI; GSK 3beta; Tau protein kinase I; ZGSK-3beta; Human GSK3B; GSK3 Beta; anti-GSK3B antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                               |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                        |
| Reactivity                                      | Human                                                                                         |
| Clonality                                       | Polyclonal                                                                                    |
| Specificity                                     | The aa 4-12 of human GSK3 beta.                                                               |
| Purity/Purification                             | Immunoaffinity Purified                                                                       |
| Form/Format                                     | 0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2, 0.01% sodium azide.               |
| Concentration                                   | 1 mg/ml (varies by lot)                                                                       |
| Sequence Length                                 | 433                                                                                           |
| Applicable Applications for anti-GSK3B antibody | ELISA, IP (Immunoprecipitation), WB (Western Blot), IHC (Immunohistochemistry)                |
| Target Species                                  | Human                                                                                         |
| Immunogen Description                           | Synthetic peptide from human GSK3B / GSK3 Beta.                                               |
| Immunogen Type                                  | Synthetic peptide                                                                             |
| Immunogen                                       | GSK3B / GSK3 Beta antibody was raised against synthetic peptide from human GSK3B / GSK3 Beta. |
| Antigen Modification                            | pSer9                                                                                         |
| Preparation and Storage                         | Long term: -20 degree C; Short term: +4 degree C. Avoid repeat freeze-thaw cycles.            |

IMAGES



**IHC (Immunohistochemistry)**  
Anti-GSK3B / GSK3 Beta antibody IHC of human ovary. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

**WB (Western Blot)**  
Anti-GSK3B pS9 Antibody - Western Blot. Western blot of Rabbit-anti-GSK3B pS9 antibody at a 1:1000 dilution. All lanes contain human 293T whole cell lysate showing a band at 47 kD. Cells were serum starved for 24 h prior to extraction. Key: Lane 1 Control, Lane 2 treated with IGF-1 (100 ng/ml) for 20, lane 3 pre-treated with 10 uM LY294002 (selective PI3K inhibitor) and treated with IGF-1 (100 ng/ml) for 20. Molecular weight markers confirm a MW of ~49 kD. Use a 1:2000 dilution of HRP Goat-a-Rabbit IgG for detection.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GSK3B antibody | Glycogen Synthase Kinase 3 beta is a GSK-3 multisubstrate serine/threonine kinase that is associated with the canonical Wnt signaling pathway, which is involved in mammalian brain regionalization. Glycogen Synthase Kinase 3 beta has been implicated in Alzheimer's Disease, when improper phosphorylation of the microtubule-associated protein Tau results in the accumulation of neurofibrillary tangles. Two alternatively spliced isoforms have been observed. |
| Product Categories/Family for anti-GSK3B antibody   | Family: Protein Kinase; Subfamily: GSK-3                                                                                                                                                                                                                                                                                                                                                                                                                                |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                      |
|----------------------------------|------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 21361340                                                                                             |
| NCBI GeneID                      | 2932                                                                                                 |
| NCBI Accession #                 | NP_002084.2                                                                                          |
| NCBI GenBank Nucleotide #        | NM_002093.3                                                                                          |
| UniProt Accession #              | P49841; Q9BWH3; Q9UL47; D3DN89                                                                       |
| Molecular Weight                 | 48,034 Da                                                                                            |
| NCBI Official Full Name          | glycogen synthase kinase-3 beta isoform 1                                                            |
| NCBI Official Synonym Full Names | glycogen synthase kinase 3 beta                                                                      |
| NCBI Official Symbol             | GSK3B                                                                                                |
| NCBI Protein Information         | glycogen synthase kinase-3 beta; GSK-3 beta; GSK3beta isoform; serine/threonine-protein kinase GSK3B |
| UniProt Protein Name             | Glycogen synthase kinase-3 beta                                                                      |
| UniProt Gene Name                | GSK3B                                                                                                |
| UniProt Synonym Gene Names       | GSK-3 beta                                                                                           |
| UniProt Entry Name               | GSK3B_HUMAN                                                                                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gsk3b-gsk3-beta-antibody-immunoprecipitation-western-blot-immunohistochemistry-elisa/50721>