

## Rabbit anti-Human, Mouse GSK3-beta Polyclonal Antibody | anti-GSK3-beta antibody

Rabbit anti-GSK3-beta Antibody, Affinity Purified

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                      |
|-----------|--------|--------------|-----------------------------------|
| AAA211737 | Rabbit | Human, Mouse | Immunoprecipitation, Western Blot |

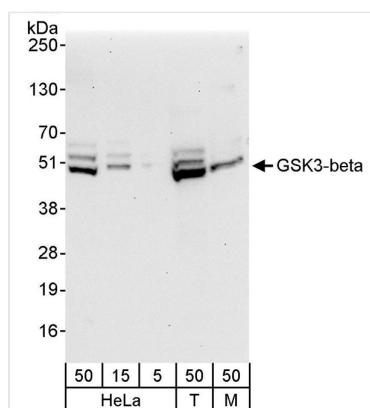
### PRODUCT SYNONYMS

GSK3-beta; Polyclonal Antibody; Rabbit anti-GSK3-beta Antibody; Affinity Purified; serine/threonine-protein kinase GSK3B; glycogen synthase kinase-3 beta; GSK-3 beta; GSK3beta isoform; Glycogen synthase kinase-3 beta; glycogen synthase kinase 3 beta; anti-GSK3-beta antibody

### PRODUCT SPECIFICATIONS

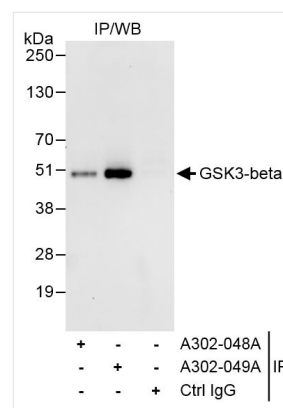
|                                                     |                                                                                           |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                                | Rabbit                                                                                    |
| Reactivity                                          | Human, Mouse                                                                              |
| Clonality                                           | Polyclonal                                                                                |
| Purity/Purification                                 | Antigen Affinity Purified                                                                 |
| Form/Format                                         | Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide |
| Concentration                                       | 1000ug/ml (varies by lot)                                                                 |
| Applicable Applications for anti-GSK3-beta antibody | IP (Immunoprecipitation), WB (Western Blot)                                               |
| Predicted Reactivity                                | Rat, X. laevis                                                                            |
| Immunogen                                           | Between 1 and 50                                                                          |
| Conjugation                                         | Unconjugated                                                                              |
| Preparation and Storage                             | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                          |

### IMAGES



#### WB (Western Blot)

Detection of human and mouse GSK3-beta by western blot. Samples: Whole cell lysate from HeLa (5, 15, and 50 ug), HEK293T (T; 50 ug) and mouse NIH 3T3 (M; 50 ug) cells. Antibody: Affinity purified rabbit anti-GSK3-beta antibody AAA211737 (lot AAA211737-1) used at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



#### IP (Immunoprecipitation)

Detection of human GSK3-beta by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-GSK3-beta antibody AAA211737 (lot AAA211737-1) used for IP at 10 ug/mg lysate. GSK3-beta was also immunoprecipitated by rabbit anti-GSK3-beta antibody which recognizes an upstream epitope. For blotting immunoprecipitated GSK3-beta, AAA211737 was used at 1.0 ug/ml. Detection: Chemiluminescence with exposure time of 10 seconds.

ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GSK3-beta antibody | Glycogen synthase kinase 3 beta (GSK3beta) is a proline-directed serine-threonine kinase identified as a kinase responsible for the phosphorylation and inactivation of glycogen synthase. GSK3beta is a critical component of the Wnt/beta-catenin signaling pathway, and its activity results in the inhibition of Wnt signaling by mediating the degradation of beta-catenin. In addition to the Wnt-signaling pathway, GSK3beta is also involved in the Hedgehog, Notch and insulin signaling pathways. |
| Product Categories/Family for anti-GSK3-beta antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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           |
| 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/gsk3-beta-antibody-immunoprecipitation-western-blot-elisa/211737>