

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

Rabbit anti GSK3 Beta (pTyr216)

| CATALOG # | HOST   | REACTIVITY                                                          | APPLICATIONS                       |
|-----------|--------|---------------------------------------------------------------------|------------------------------------|
| AAA50305  | Rabbit | Human, Mouse (Expected from Sequence), Rat (Expected from Sequence) | Western Blot, Immunohistochemistry |

### PRODUCT SYNONYMS

GSK3 Beta; Polyclonal Antibody; Rabbit anti GSK3 Beta (pTyr216); GSK3 Beta (pTyr216) Antibody; anti-GSK3B antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                                                                             |
| Reactivity                                      | Human, Mouse (Expected from Sequence), Rat (Expected from Sequence)                                                                                                                                                                                                                                                                |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                                                                                         |
| Isotype                                         | IgG                                                                                                                                                                                                                                                                                                                                |
| Purity/Purification                             | Purified whole serum by affinity chromatography.                                                                                                                                                                                                                                                                                   |
| Form/Format                                     | Liquid in phosphate buffered saline with 0.02% sodium azide, 50% glycerol.                                                                                                                                                                                                                                                         |
| Sequence Length                                 | 420                                                                                                                                                                                                                                                                                                                                |
| Applicable Applications for anti-GSK3B antibody | WB (Western Blot), IHC (Immunohistochemistry)                                                                                                                                                                                                                                                                                      |
| Immunogen                                       | Phospho specific-peptide corresponding to residues surrounding tyrosine 216 of human GSK3 beta                                                                                                                                                                                                                                     |
| Preparation                                     | Antiserum to GSK3 BETA (pTyr216) was raised by repeated immunization of rabbits with highly purified antigen.                                                                                                                                                                                                                      |
| Preparation and Storage                         | Store at -20 degree C.<br>Storage in frost-free freezers is not recommended. This product should be stored undiluted.<br>Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 12 months from date of despatch |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Rabbit anti GSK3 beta (pTyr216) antibody



#### WB (Western Blot)

Western blot analysis of extracts from HEK-293 cells untreated or treated with PMA using Rabbit anti GSK3 beta (pTyr216) antibody. Cells were cultured in serum free media for 16-20 hours before treatment with PMA (200 nM) for 30 minutes

### ADDITIONAL INFORMATION

#### Related Product Information for anti-GSK3B antibody

Rabbit anti GSK3 Beta (pTyr216) antibody recognizes GSK3 beta when phosphorylated at tyrosine 216. GSK3 is a member of the CMGC family of kinases. GSK3 comprises two isoforms, alpha and beta, with 85% total homology and 98% homology between kinase domains. GSK3 beta is phosphorylated at tyrosine 216 via autophosphorylation, Fyn and PYK2. Phosphorylation of GSK3 beta at tyrosine 216 activates GSK3 alpha leading to phosphorylation of downstream targets such as the insulin receptor and glucose-6-phosphate.

NCBI AND UNIPROT INFORMATION

|                                  |                                 |
|----------------------------------|---------------------------------|
| NCBI GI #                        | 20455502                        |
| NCBI GeneID                      | 2932                            |
| UniProt Accession #              | P49841; Q9BWH3; Q9UL47; D3DN89  |
| Molecular Weight                 | 48,034 Da                       |
| NCBI Official Full Name          | Glycogen synthase kinase-3 beta |
| 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                | <b>GSK3B</b>                    |
| UniProt Synonym Gene Names       | GSK-3 beta                      |

**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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