

GSK3 beta Recombinant Antibody | GSK3beta recombinant antibody

Phospho-GSK3 beta (Ser9) Antibody, Rabbit Mab

CATALOG # AAA259162	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

GSK3 beta; Monoclonal Recombinant Antibody; Phospho-GSK3 beta (Ser9) Antibody; Rabbit Mab; glycogen synthase kinase 3 beta; GSK3beta recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	#0016
Specificity	Human Phospho-GSK3 beta (Ser9)
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for GSK3beta recombinant antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to residues around Ser9 of Human Phospho-GSK3 beta
Preparation	This antibody was obtained from a rabbit immunized with a synthetic peptide corresponding to residues around Ser9 of Human Phospho-GSK3 beta.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-CCDC66 rabbit polyclonal antibody at 1:500 dilution Lane A: Jurkat Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 109 kDa



WB (Western Blot)

Western blot analysis of extracts from serum-starved Hela treated with calyculin A (100nM, 30 min), using Phospho-GSK3 beta (Ser9) Antibody, Rabbit Mab (#AAA259162) at 1:1000, 1:10000, 1:200000 dilution.

ADDITIONAL INFORMATION

Related Product Information for GSK3beta recombinant antibody	GSK3B is a serine-threonine kinase, belonging to the glycogen synthase kinase subfamily. It Contains 1 protein kinase domain, and is expressed in the testis, thymus, prostate, and ovary and weakly expressed in the lung, brain, and kidney. GSK3B is involved in energy metabolism, neuronal cell development, and body pattern formation. Polymorphisms in the GSK3B gene have been implicated in modifying the risk of Parkinson's disease, and studies in mice show that overexpression of this gene may be relevant to the pathogenesis of Alzheimer's disease. GSK3B participates in the Wnt signaling pathway. It is implicated in the hormonal control of several regulatory proteins including glycogen synthase, MYB, and the transcription factor JUN. Phosphorylates JUN at sites proximal to its DNA-binding domain, thereby reducing its affinity for DNA. Phosphorylates MUC1 in breast cancer cells, and decreases the interaction of MUC1 with CTNNB1/beta-catenin. GSK3B also plays an important role in ERBB2-dependent stabilization of microtubules at the cell cortex. It prevents the phosphorylation of APC and CLASP2, allowing its association with the cell membrane. In turn, membrane-bound APC allows the localization of MACF1 to the cell membrane, which is required for microtubule capture and stabilization. GSK3B phosphorylates MACF1 and this phosphorylation inhibits the binding of MACF1 to microtubules which are critical for its role in bulge stem cell migration and skin wound repair. It may be required for early embryo development and neuron differentiation.
References	Bergmann C, et al. (2011) Inhibition of glycogen synthase kinase 3beta induces dermal fibrosis by activation of the canonical Wnt pathway. <i>Ann Rheum Dis.</i> 70(12):2191-8. Ban JO, et al. (2011) Troglitazone, a PPAR agonist, inhibits human prostate cancer cell growth through inactivation of NFkappaB via suppression of GSK-3beta expression. <i>Cancer Biol Ther.</i> 12(4):288-96. Tsukigi M, et al. (2012) Re-expression of miR-199a suppresses renal cancer cell proliferation and survival by targeting GSK-3beta. <i>Cancer Lett.</i> 315(2):189-97. Nandan D, et al. (2012) Myeloid cell IL-10 production in response to leishmania involves inactivation of glycogen synthase kinase-3beta downstream of phosphatidylinositol-3 kinase. <i>J Immunol.</i> 188(1):367-78.

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/monoclonal/gsk3-beta-recombinant-antibody-clone-0016-western-blot-elisa/259162>