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GSK3 alpha/beta Polyclonal Antibody

Cat #: G-AB-05893

Host: Rabbit **Reactivity:** Human, Mouse, Rat

Isotype: IgG **Clonality:** Polyclonal

Overview:
Glycogen synthase kinase-3 (GSK-3) was initially identified as an enzyme that regulates glycogen synthesis in response to insulin. GSK-3 is a ubiquitously expressed serine/threonine protein kinase that phosphorylates and inactivates glycogen synthase. GSK-3 is a critical downstream element of the PI3 kinase/Akt cell survival pathway whose activity can be inhibited by Akt-mediated phosphorylation at Ser21 of GSK-3 and Ser9 of GSK-3GSK-3 has been implicated in the regulation of cell fate in Dictyostelium and is a component of the Wnt signaling pathway required for Drosophila, Xenopus and mammalian development. GSK-3 has been shown to regulate cyclin D1 proteolysis and subcellular localization.

Gene ID:

Accession #:

Immunogen: Synthesized peptide derived from human GSK3/ around the non-phosphorylation site of Tyr279/216.

Conjugation: Unconjugated

Swissprot: P49840,P49841

Calculated Molecular Weight: 51 kDa

Observed Molecular Weight: 51,46 kDa

Concentration: 1 mg/mL

Buffer: PBS with 0.02% sodium azide, 0.5% BSA and 50% glycerol, pH7.4

Purification Method: Affinity purification

Application: WB,IHC-p,ELISA

Dilution: WB 1:500-1:2000, IHC 1:100-1:300, ELISA 1:20000

Storage: Store at -20°C. Avoid freeze / thaw cycles.