From Biology to Discovery™

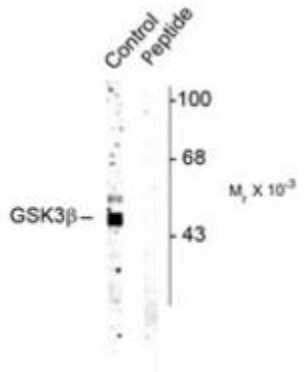
GSK3B (Ser9) Antibody

Subcategory: Phosphospecific Antibody, Rabbit Polyclonal Antibody
Cat. No.: 252550
Unit: 0.1 ml

Description:
Glycogen synthase kinase-3 beta (GSK3b) participates in the Wnt signaling pathway. GSK3b is implicated in the hormonal control of several regulatory proteins including glycogen synthase, MYB and the transcription factor Jun. GSK3b phosphorylates Jun at sites proximal to its DNA-binding domain, thereby reducing its affinity for DNA. Ser9 phosphorylation underlies the inhibition of GSK3b by insulin. This antibody is specific for the 46-kDa GSK-3b protein phosphorylated at Ser9, however a band at 51-kDa can also be detected due to high homology with GSK-3 alpha.

Isotype: Rabbit Ig
Applications: E, WB
Species Reactivity: B, Ck, D, Mk, M, X, Zf
Format: Each vial contains 0.1 ml IgG in HEPES pH7.5, 150 mM NaCl, 0.01% BSA and 50% glycerol. Antibody was purified by immunogen affinity chromatography.
Alternate Names: Glycogen synthase kinase-3 beta; GSK-3 beta; GSK3B; GSK-3b
Accession No.: P18266

Antigen: KLH-conjugated synthetic phosphopeptide encompassing a sequence surrounding Ser9 of rat glycogen synthase kinase 3 B (GSK3B).
Application Notes: E: 1:1,000; WB: 1:1,000



The GSK3B (Ser9) Antibody (Cat. No. 252550) is used in Western blot to detect GSK3b phosphorylated on Ser9 in rat cortex tissue lysate (left lane). Phosphorylated GSK3b is no longer detected upon incubation with blocking phosphopeptide (right lane).

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.

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