Product Datasheet

GSK3β(Phospho-Ser9) Antibody

Catalog No: #11002

Package Size: #11002-1 50ul #11002-2 100ul



Support: tech@signalwayantibody.com

Description GSK3β(Phospho-Ser9) Antibody **Product Name Host Species** Rabbit Clonality Polyclonal Purification Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide. WB IHC IF Applications Species Reactivity Hu Ms Rt Specificity The antibody detects endogenous level of GSK3 beta only when phosphorylated at serine 9. Peptide-KLH Immunogen Type Immunogen Description Synthesized phospho-peptide around the phosphorylation site of human GSK3β (phospho Ser9) Unconjugated Conjugates **Target Name** GSK3_B Modification Phospho Other Names Factor A, GSK-3 beta, Protein kinase GSK-3-beta, kinase GSK-3 beta Swiss-Prot: P49841NCBI Protein: NP_001139628.1 Accession No. SDS-PAGE MW 46kd Concentration 1.0mg/ml Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Store at -20°C for long term preservation (recommended). Avoid Store at 4°C for short term use.

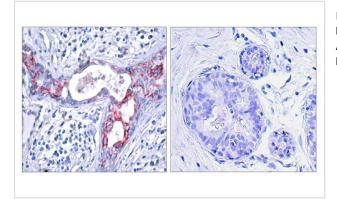
Application Details

Predicted MW: 46kd
Western blotting: 1:500~1:1000
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

Images

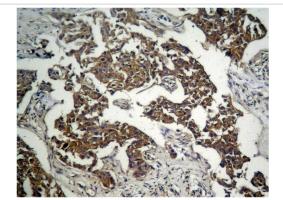
Storage



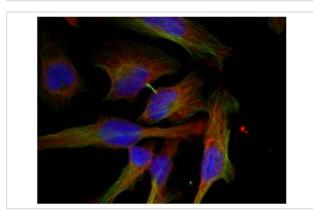
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using GSK3 β (Phospho-Ser9) Antibody #11002 (left) or the same antibody preincubated with blocking peptide(right).



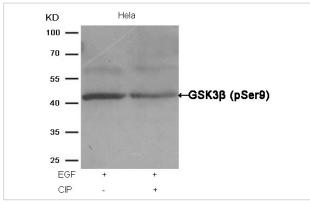
Immunofluorescence staining of methanol-fixed Hela cells showing cytoplasmic staining using GSK3 β (Phospho-Ser9) Antibody #11002.



Immunohistochemical analysis of paraffin-embedded human Lung carcinoma tissue using GSK3 β (Phospho-Ser9) Antibody #11002.



Immunofluorescence staining of methanol-fixed Hela cells showing cytoplasmic staining using GSK3 β (Phospho-Ser9) Antibody #11002.



Western blot analysis of extracts from Hela cells, treated with EGF or calf intestinal phosphatase (CIP), using GSK3 β (Phospho-Ser9) Antibody #11002.

Background

Participates in the Wnt signaling pathway. 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. Phosphorylates CTNNB1/beta-catenin.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.