

GSK3 $\beta$  (Phospho-Ser9) Conjugated Antibody

Catalog No: #C11002



Package Size: #C11002-AF350 100ul #C11002-AF405 100ul #C11002-AF488 100ul  
 #C11002-AF555 100ul #C11002-AF594 100ul #C11002-AF647 100ul  
 #C11002-AF680 100ul #C11002-AF750 100ul #C11002-Biotin 100ul

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## Description

Product Name	GSK3 $\beta$ (Phospho-Ser9) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of GSK3 $\beta$ only when phosphorylated at serine 9.
Immunogen Description	Synthesized phospho-peptide around the phosphorylation site of human GSK3 $\beta$ (phospho Ser9)
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Factor A;GSK-3 beta;Protein kinase GSK-3-beta;kinase GSK-3 beta
Accession No.	Swiss-Prot#:P49841NCBI Gene ID:2932NCBI mRNA#:NM_001146156.1NCBI Protein#:NP_001139628.1
Uniprot	P49841
GeneID	2932;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	46
Formulation	Liquid:0.5% BSA, 40% Glycerol and 0.02% sodium azide.
Storage	Store at 4°C in dark for 6 months

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Product Description

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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 chromatography using non-phosphopeptide.

## Background

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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