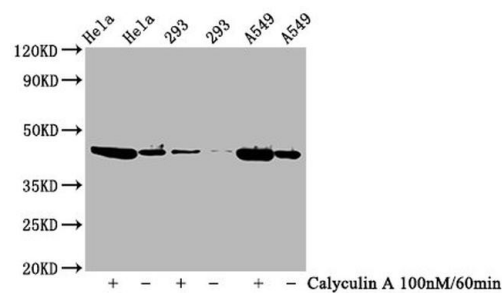


Phospho-GSK3B (Ser9) Recombinant Rabbit Monoclonal Antibody (3A6)

Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	3A6
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human Phospho-GSK3B (Ser9)
Form	Liquid
Concentration	0.33 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.4, with 50% glycerol
Contains	0.02% sodium azide
Storage conditions	-20°C or -80°C if preferred
RRID	AB_2811961

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:5,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:200	-
Immunocytochemistry (ICC/IF)	1:20-1:200	-
ELISA (ELISA)	Assay-Dependent	-

Product Images For Phospho-GSK3B (Ser9) Recombinant Rabbit Monoclonal Antibody (3A6)

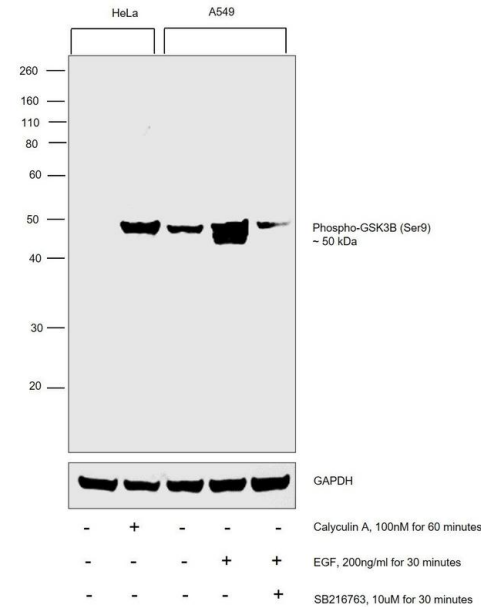


Phospho-GSK3B (Ser9) Antibody (MA5-33145) in WB

Western Blot analysis of Phospho-GSK3B (Ser9) using a Phospho-GSK3B (Ser9) Monoclonal antibody (Product # MA5-33145) at a concentration of 0.77 µg/mL. Positive WB detected in: HeLa whole cell lysate, 293 whole cell lysate, A549 whole cell lysate (treated with Calyculin A or not). All lanes: Phospho-GSK3B antibody at 0.77 µg/mL. A secondary Goat polyclonal antibody to rabbit IgG was applied at a 1:50,000 dilution. Observed band size: 46 kDa.

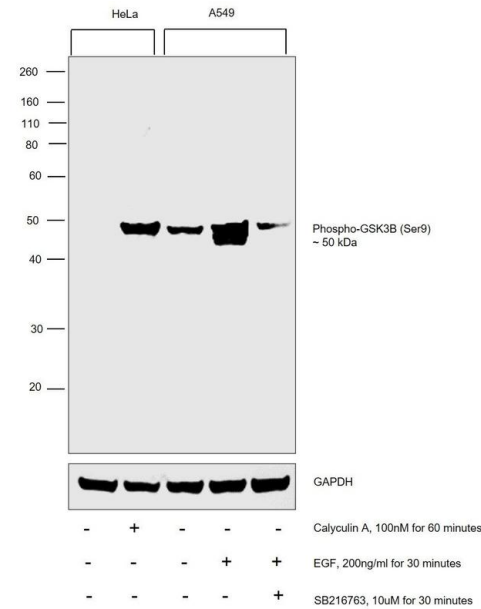
Phospho-GSK3B (Ser9) Antibody (MA5-33145)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using Phospho-GSK3B (Ser9) Recombinant Rabbit Monoclonal Antibody (Product # MA5-33145), shows induction of protein in HeLa cells upon Calyculin A treatment, and upregulation in A549 cells upon EGF treatment and downregulation upon SB216763 followed by EGF treatment. {TM}



Phospho-GSK3B (Ser9) Antibody (MA5-33145) in WB

Western Blot was performed using Anti-Phospho-GSK3B (Ser9) Recombinant Rabbit Monoclonal Antibody (Product # MA5-33145) and a 50 kDa band corresponding to Glycogen synthase kinase-3 beta was observed to be induced upon Calyculin A treatment in HeLa cells, and upregulated upon EGF treatment and downregulated upon SB216763 followed by EGF treatment in A549 cells. Whole cell extracts (30 µg lysate) of HeLa (Lane 1), HeLa treated with Calyculin A (100 nm for 60 minutes) (Lane 2), A549 (Lane 3), A549 treated with EGF (200 ng/mL for 30 minutes) (Lane 4) and A549 treated with SB216763 (10 µM for 30 minutes) followed by EGF (200 ng/mL for 30 mins) (Lane 5) were electrophoresed using NuPAGE™ 10% Bis-Tris Protein Gel (Product # NP0302BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23002) by iBlot® 2 Dry Blotting System (Product # IB21001). The Blot was probed with the primary antibody (1:3,500 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4,000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



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