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Anti-Phospho-GSK3 (alpha + beta) (Y216 + Y279) GSK3A Rabbit Monoclonal Antibody

Catalog Number: P03152-1

Overview

Product Name	Anti-Phospho-GSK3 (alpha + beta) (Y216 + Y279) GSK3A Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-GSK3 (alpha + beta) (Y216 + Y279) GSK3A Rabbit Monoclonal Antibody catalog # P03152-1. Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.
Application	IP, IF, IHC, ICC, WB
Clonality	Monoclonal IFB-7
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P49840

Technical Details

Immunogen	A synthesized peptide derived from human Phospho-GSK3 (alpha + beta) (Y216 + Y279)
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 IHC 1:50-200 ICC/IF 1:50-200 IP 1:20

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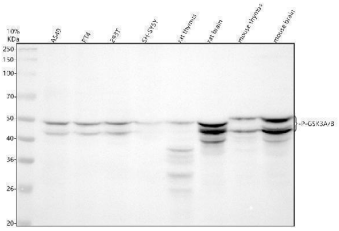
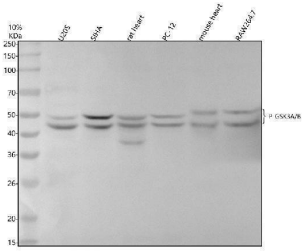
Anti-Phospho-GSK3 (alpha + beta) (Y216 + Y279) GSK3A Rabbit Monoclonal Antibody (P03152-1) Images



Western blot analysis of GSK3 Alpha/Beta (Phospho-Y216+Y279) using anti-GSK3 Alpha/Beta (Phospho-Y216+Y279) antibody (P03152-1). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human A549 whole cell lysates, Lane 2: human RT4 whole cell lysates, Lane 3: human 293T whole cell lysates, Lane 4: human SH-SY5Y whole cell lysates, Lane 5: rat thymus tissue lysates, Lane 6: rat brain tissue lysates, Lane 7: mouse thymus tissue lysates, Lane 8: mouse brain tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-GSK3 Alpha/Beta (Phospho-Y216+Y279) antigen affinity purified monoclonal antibody (P03152-1) at 1: 500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for GSK3 Alpha/Beta (Phospho-Y216+Y279) at approximately 47,51 kDa. The expected band size for GSK3 Alpha/Beta (Phospho-Y216+Y279) is at 47,51 kDa.



Western blot analysis of GSK3 Alpha/Beta (Phospho-Y216+Y279) using anti-GSK3 Alpha/Beta (Phospho-Y216+Y279) antibody (P03152-1). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human U2OS whole cell lysates, Lane 2: human SIHA whole cell lysates, Lane 3: rat heart tissue lysates, Lane 4: rat PC-12 whole cell lysates, Lane 5: mouse heart tissue lysates, Lane 6: mouse RAW264.7 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-GSK3 Alpha/Beta (Phospho-Y216+Y279) antigen affinity purified monoclonal antibody (P03152-1) at 1: 500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for GSK3 Alpha/Beta (Phospho-Y216+Y279) at approximately 47,51 kDa. The expected band size for GSK3 Alpha/Beta (Phospho-Y216+Y279) is at 47,51 kDa.

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2 Publications Citing This Product

1. PubMed ID: 33069797, Shi R,Liu L,Wang F,He Y,Niu Y,Wang C,Zhang X,Zhang X,Zhang H,Chen M,Wang Y.Downregulation of cytokeratin 18 induces cellular partial EMT and stemness through increasing EpCAM expression in breast cancer.Cell Signal.2020 Dec;76:109810.doi:10.1016/j.cellsig

2. PubMed ID: 29137317, Mcl-1 stabilization confers resistance to taxol in human gastric cancer

Visit bosterbio.com/anti-phospho-gsk3-alpha-beta-y216-y279-rabbit-monoclonal-antibody-p03152-1-boster.html to see all 2 publications.

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