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Anti-GSK3 beta Rabbit Monoclonal Antibody

Catalog Number: M00791

Overview

Product Name	Anti-GSK3 beta Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-GSK3 beta Rabbit Monoclonal Antibody catalog # M00791. Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse.
Application	Flow Cytometry, IF, IHC, ICC, WB
Clonality	Monoclonal EB-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	P49841

Technical Details

Immunogen	A synthesized peptide derived from human GSK3 beta
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 FC 1:200-500

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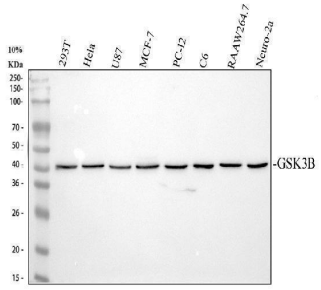
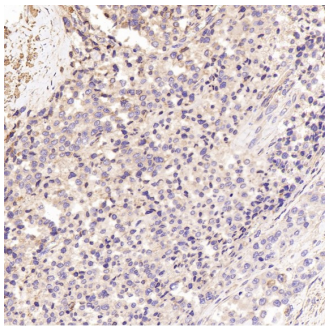
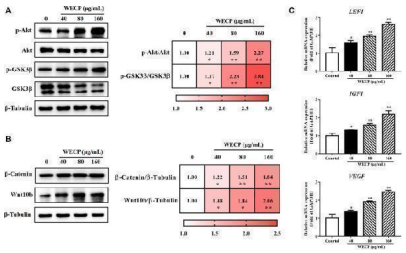
Anti-GSK3 beta Rabbit Monoclonal Antibody (M00791) Images



Western blot analysis of GSK3 beta using anti-GSK3 beta antibody (M00791). 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 293T whole cell lysates, Lane 2: human Hela whole cell lysates, Lane 3: human U87 whole cell lysates, Lane 4: human MCF-7 whole cell lysates, Lane 5: rat PC-12 whole cell lysates, Lane 6: rat C6 whole cell lysates, Lane 7: mouse RAW264.7 whole cell lysates, Lane 8: mouse Neuro-2a 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 beta antigen affinity purified monoclonal antibody (M00791) 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 beta at approximately 47 kDa. The expected band size for GSK3 beta is at 47 kDa.



Immunohistochemical analysis of paraffin-embedded Human prostate cancer, using the Antibody at 1:100 dilution.



WECP activated Akt/GSK3beta/beta-Catenin signaling pathway in DPCs. DPCs were incubated with WECP (40, 80 and 160 ug/mL) in culture medium for 24 h. (A) Akt and GSK3beta phosphorylation levels were detected in DPCs after WECP treatment. (B) Effects of WECP treatment on beta-Catenin and Wnt10b protein expression levels in DPCs. (C) Transcriptional expression of LEF1, IGF1, and VEGF in DPCs detected using RT-PCR. Data are presented as means ± SD of three independent replicates. * $p < 0.05$, ** $p < 0.01$ vs. control group.Index in PubMed under a CC BY license. PMID: 36891275

WECP activated Akt/GSK3beta/beta-Catenin signaling pathway in denuded mouse skin. (A) Effects of WECP and finasteride treatments on Akt and GSK3beta protein phosphorylation in mouse skin. (B) Effects of WECP and finasteride treatments on beta-Catenin and Wnt10

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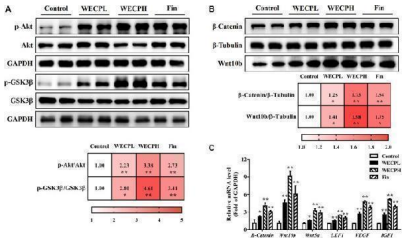
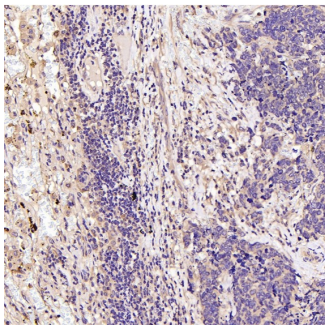
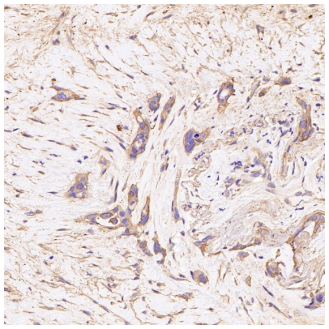


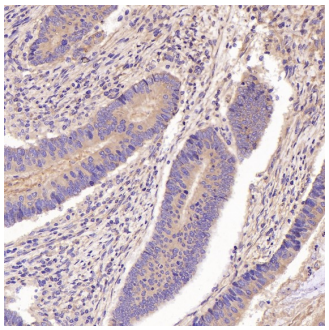
translational expression in mouse skin. (C) Effects of WECP and finasteride treatments on transcriptional expression of beta-Catenin, Wnt10b, Wnt5a, LEF1, VEGF, and IGF1 in mouse skin. Data are means ± SD of three independent replicates. * p < 0.05, ** p < 0.01, *** p < 0.001 vs. control group. WECPL, WECPH, and Fin represent low-dose WECP, high-dose WECP, and finasteride treatment, respectively.Index in PubMed under a CC BY license. PMID: 36891275



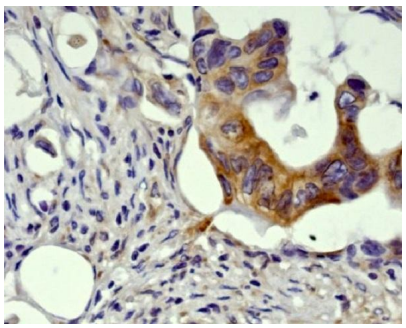
Immunohistochemical analysis of paraffin-embedded Human small cell lung cancer , using the Antibody at 1:100 dilution.



Immunohistochemical analysis of paraffin-embedded Human pancreatic cancer, using the Antibody at 1:400 dilution.



Immunohistochemical analysis of paraffin-embedded Human colon cancer, using the Antibody at 1:100 dilution.



Immunohistochemical analysis of paraffin-embedded human colon carcinome, using GSK3 beta Antibody.

Immunofluorescent analysis using the Antibody at 1:50

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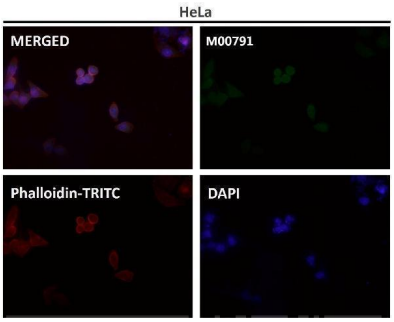
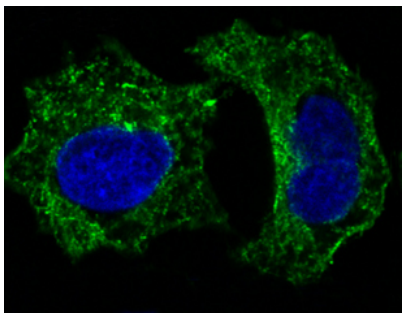


dilution.



Immunofluorescent analysis of Hela cells, using GSK3 beta Antibody .

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: 30169428, GSK%u20113%u03B2 may be involved in hippocampal mossy fiber sprouting in the pentylenetetrazole%u2011kindling model

Visit bosterbio.com/anti-gsk3-beta-rabbit-monoclonal-antibody-m00791-boster.html to see all 2 publications.

Anti-GSK3 beta Rabbit Monoclonal Antibody

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