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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Tubulin gamma Rabbit Monoclonal Antibody

Catalog Number: M06313

Overview

Product Name	Anti-Tubulin gamma Rabbit Monoclonal Antibody
Reactive Species	Human, Monkey, Mouse, Rat, Zebrafish
Description	Boster Bio Anti-Tubulin gamma Rabbit Monoclonal Antibody catalog # M06313. Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Monkey, Mouse, Rat, Zebrafish.
Application	Flow Cytometry, IP, IF, IHC, ICC, WB
Clonality	Monoclonal DAE-20
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	P23258

Technical Details

Immunogen	A synthesized peptide derived from human Tubulin gamma
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 1:50 FC 1:50

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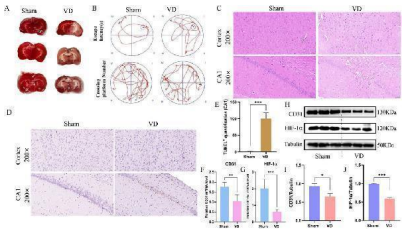
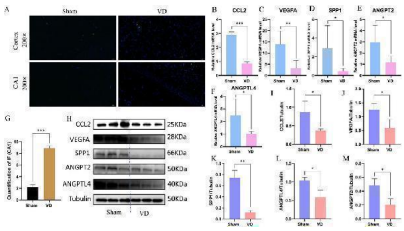
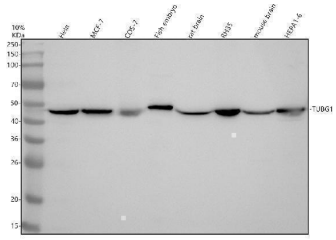
Anti-Tubulin gamma Rabbit Monoclonal Antibody (M06313) Images



Construction of animal models and analysis of pathological damage. (A) TTC staining plots of the Sham and VD group. (B) Motion trajectory diagram. (C) Representative images stained with HE (scale bars = 50 um). (D) Representative histopathological images obtained from TUNEL staining (scale bars = 50 um), showing changes in the cortex hippocampus CA1. (E) Quantification of TUNEL+ cells in the hippocampal CA1 (n = 3). (F) Expression profile of CD31 between Sham and VD groups (qPCR). **P < 0.01. (G) Expression profile of HIF-1alpha between Sham and VD groups (qPCR; n = 6). ***P < 0.001. (H) WB strips. (I) Expression profile of CD31 between Sham and VD groups (WB). *P < 0.05. (J) Expression profile of HIF-1alpha between Sham and VD groups (WB; n = 3). ***P < 0.001.Index in PubMed under a CC BY license. PMID: 40988927



Experimental validation of the key genes in vivo . (A) Representative images of immunofluorescence. (B–F) Expression profile of CCL2, VEGFA, SPP1, ANGPT2, and ANGPTL4 between Sham and VD groups (qPCR; n = 6). *P < 0.05; **P < 0.01; ***P < 0.001. (G) Immunofluorescence quantification of CD31. ***P < 0.001. (H) WB representative strips of the 5 key genes. (I–M) Protein expression level of CCL2, VEGFA, SPP1, ANGPT2, and ANGPTL4 between Sham and VD groups (WB; n = 3). *P < 0.05; **P < 0.01; ***P < 0.001.Index in PubMed under a CC BY license. PMID: 40988927



Western blot analysis of TUBG1 using anti-TUBG1 antibody (M06313). 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 Hela whole cell lysates, Lane 2: human MCF-7 whole cell lysates, Lane 3: monkey COS-7 whole cell lysates, Lane 4: fish embryo tissue lysates, Lane 5: rat brain tissue lysates, Lane 6: rat RH35 whole cell lysates, Lane 7: mouse brain tissue lysates, Lane 8: mouse HEPA1-6 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-TUBG1 antigen affinity purified monoclonal antibody (M06313) 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 TUBG1 at approximately 47 kDa. The expected band size for TUBG1 is at 51 kDa.

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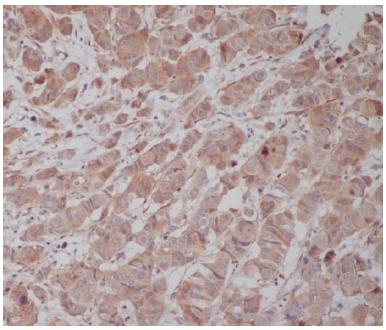

Immunohistochemical analysis of paraffin-embedded human breast cancer, using Tubulin gamma Antibody.

1 Publications Citing This Product

1. PubMed ID: 26493771, The SUMO Protease SENP3 Orchestrates G2-M Transition and Spindle Assembly in Mouse Oocytes

Visit bosterbio.com/anti-tubulin-gamma-rabbit-monoclonal-antibody-m06313-boster.html to see all 1 publications.

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Anti-Tubulin gamma Rabbit Monoclonal Antibody

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