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Anti-Tubulin beta-1 chain TUBB1 Antibody

Catalog Number: A05397

About TUBB1

Mediates cAMP-dependent signaling triggered by receptor binding to GPCRs. PKA activation regulates diverse cellular processes such as cell proliferation, the cell cycle, differentiation and regulation of microtubule dynamics, chromatin condensation and decondensation, nuclear envelope disassembly and reassembly, as well as regulation of intracellular transport mechanisms and ion flux. Regulates the abundance of compartmentalized pools of its regulatory subunits through phosphorylation of PJA2 which binds and ubiquitinates these subunits, leading to their subsequent proteolysis.

Beebe S.J., Mol. Endocrinol. 4:465-475(1990).
Gregory S.G., Nature 441:315-321(2006).
Wu K.-J., Oncogene 21:7872-7882(2002).

Overview

Product Name	Anti-Tubulin beta-1 chain TUBB1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Tubulin beta-1 chain TUBB1 Antibody catalog # A05397. Tested in WB applications. This antibody reacts with Human,Mouse,Rat.
Application	WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
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	Q9H4B7/Q13885/Q9BVA1/P68371/Q13509/Q99867/P04350/P07437/Q9BUF5/Q3ZCM7

Technical Details

Immunogen	Synthesized peptide derived from human CNG-1beta
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml

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Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB: 1:500-1:1000

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Anti-Tubulin beta-1 chain TUBB1 Antibody (A05397) Images

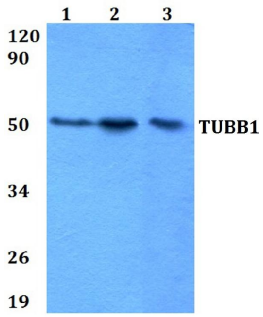

Figure 1. Western blotting validation for Anti-Tubulin beta-1 chain TUBB1 Antibody A05397

Western blot (WB) analysis of TUBB1 polyclonal antibody at 1:500 dilution
Lane1:HEK293Twhole cell lysate
Lane2:Raw264.7 whole cell lysate
Lane3:PC12 whole cell lysate
Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration

2 Publications Citing This Product

1. PubMed ID: 33468182, Xu T,Song Q,Zhou L,Yang W,Wu X,Qian Q,Chai H,Han Q,Pan H,Dou X,Li S.Ferulic acid alleviates lipotoxicity-induced hepatocellular death through the SIRT1-regulated autophagy pathway and independently of AMPK and Akt in AML-12 hepatocytes.Nutr Metab (Lond).2

2. PubMed ID: 33468182, Xu T,Song Q,Zhou L,Yang W,Wu X,Qian Q,Chai H,Han Q,Pan H,Dou X,Li S. Ferulic acid alleviates lipotoxicity-induced hepatocellular death through the SIRT1-regulated autophagy pathway and independently of AMPK and Akt in AML-12 hepatocytes. Nutr Metab (Lond)

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