

Anti-beta II Tubulin Antibody

Catalog Number: M06868-1

About Tubb2a

Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha chain (By similarity).

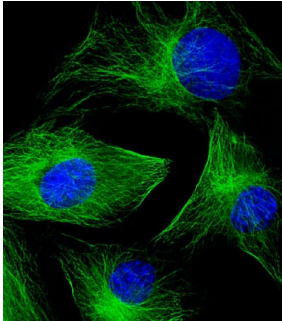
Overview

Product Name	Anti-beta II Tubulin Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-beta II Tubulin Antibody (Catalog # M06868-1). Tested in WB, Flow Cytometry, IF application(s). This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IF, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q7TMM9

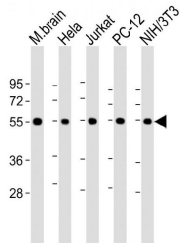
Technical Details

Immunogen	This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 14-46 amino acids from human.
Predicted Reactive Species	Bovine, Chicken, Monkey, Pig, Xenopus
Isotype	Rabbit IgG
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
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: IF: 1:25 WB: 1:8000 FC: 1:25

Anti-beta II Tubulin Antibody (M06868-1) Images



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized C2C12 (mouse myoblast cell line) cells labeling beta II Tubulin with M06868-1 at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on C2C12 cell line. The nuclear counter stain is DAPI (blue).



All lanes : Anti-beta II Tubulin at 1:8000 dilution

Lane 1: mouse brain lysate

Lane 2: Hela whole cell lysate

Lane 3: Jurkat whole cell lysate

Lane 4: PC-12 whole cell lysate

Lane 5: NIH/3T3 whole cell lysate

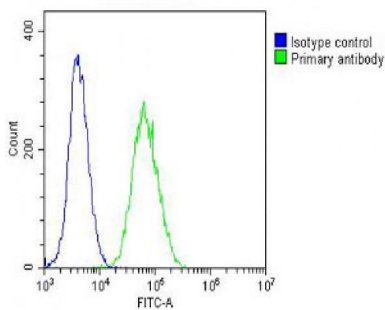
Lysates/proteins at 20 µg per lane.

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.

Predicted band size : 50 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing NIH/3T3 cells stained with M06868-1 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (M06868-1, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG (1g/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.

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