BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-alpha Tubulin Antibody

Catalog Number: M08382-4

About TUBA1B

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.

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Overview

Product Name	Anti-alpha Tubulin Antibody
Reactive Species	Human
Description	Boster Bio Anti-alpha Tubulin Antibody (Catalog # M08382-4). Tested in WB, Flow Cytometry, IF application(s). This antibody reacts with Human.
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	P68363

Technical Details

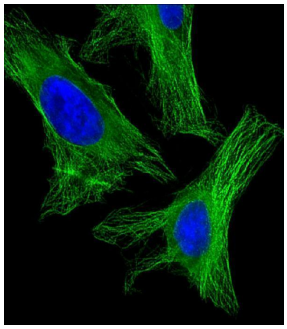
Immunogen	This alpha Tubulin antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 408-439 amino acids from human alpha Tubulin.
Predicted Reactive Species	Bovine, C. elegans, Chicken, Hamster, Monkey, Mouse, Pig, Rat
Isotype	Rabbit IgG
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	IF: 1:25

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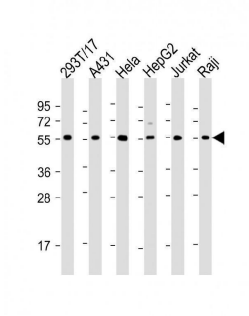
	WB: 1:2000 FC: 1:25

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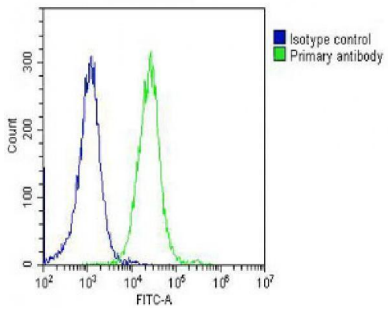
Anti-alpha Tubulin Antibody (M08382-4) Images



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa (human cervical epithelial adenocarcinoma cell line) cells labeling alpha Tubulin with M08382-4 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 HeLa cell line. The nuclear counter stain is DAPI (blue).



All lanes : Anti-alpha Tubulin Antibody at 1:2000 dilutionLane 1: 293T/17 whole cell lysateLane 2: A431 whole cell lysateLane 3: Hela whole cell lysateLane 4: HepG2 whole cell lysateLane 5: Jurkat whole cell lysateLane 6: Raji whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 50 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing Hela cells stained with M08382-4 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (M08382-4, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG (1g/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

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