Datasheet for ABIN6242660

anti-TUBB antibody (AA 46-78)

3 Images

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Overview

Quantity:	200 µL
Target:	TUBB
Binding Specificity:	AA 46-78
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TUBB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 46-78 amino acids from human.
Clone:	RB55944
Isotype:	Ig Fraction
Predicted Reactivity:	E, C, D, H, Pr, B, X, Ha, Pig
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	TUBB

Target Details

Alternative Name:	beta Tubulin (TUBB Products)
Background:	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.
Molecular Weight:	49671
UniProt:	P99024
Pathways:	Microtubule Dynamics, M Phase

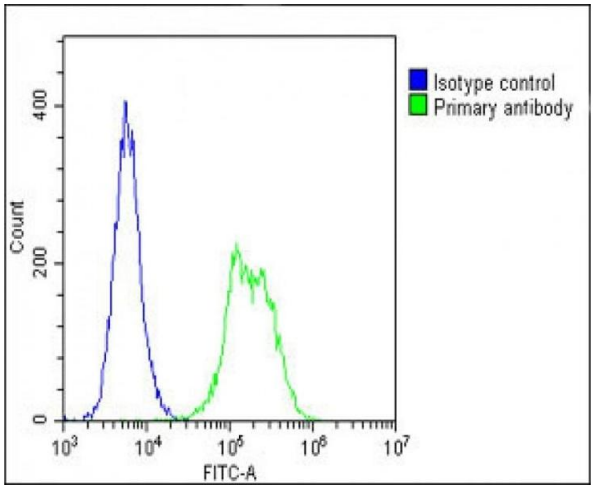
Application Details

Application Notes:	WB: 1:2000. IHC-P: 1:25. FC: 1:25
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

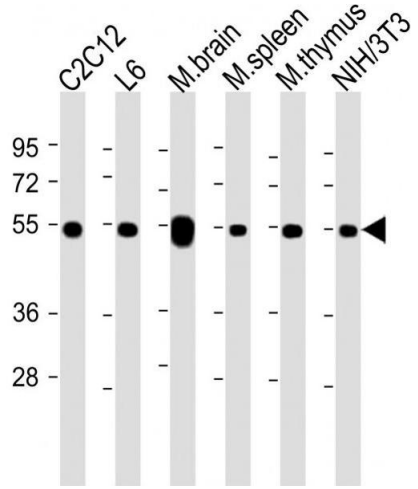
Images



Flow Cytometry

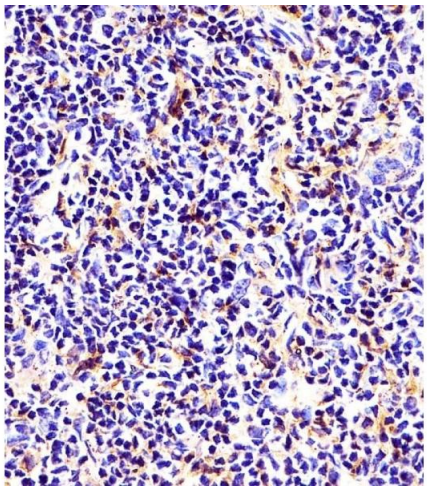
Image 1. Overlay histogram showing C2C12 cells stained with (ABIN6242660 and ABIN6578661)(green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then icubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN6242660 and ABIN6578661), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-

Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.



Western Blotting

Image 2. All lanes : Anti-beta Tubulin at 1:2000 dilution Lane 1: C2C12 whole cell lysate Lane 2: L6 whole cell lysate Lane 3: mouse brain lysate Lane 4: mouse spleen whole cell lysate Lane 5: mouse thymus lysate Lane 6: 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.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. (ABIN6242660 and ABIN6578661) staining beta Tubulin in mouse thymus tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3 % BSA for 0. 5 hour at room temperature, antigen retrieval was by heat mediation with a citrate buffer (pH 6). Samples were incubated with primary antibody (1/25) for 1 hours at 37 °C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.