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anti-TUBB1 antibody

Images



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Quantity:	400 μL	
Target:	TUBB1	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This TUBB1 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)	

Product Details

Immunogen:	This TBB1 antibody is generated from rabbits immunized with human TBB1 recombinant protein.	
Clone:	RB23148	
Isotype:	Ig Fraction	
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.	

Target Details

Target:	TUBB1	
Alternative Name:	TBB1 (TUBB1 Products)	
Background:	The tubulin family of globular proteins has several members, the most common of which are	
	tubulin and ?tubulin, proteins which make up microtubules of the cytoskeltons of probably all	

eukaryotic cells. Except in the simplest eukaryotes, tubulin (100 kDa) exists in all cells as a heterodimer of two similar but non-identical polypeptides (55 kDa each), designated alpha and beta. Within either family of alpha/beta tubulin heterodimers, individual subunits diverge from each other (both within and across species) at less than 10 % of the amino acid positions. The most extreme diversity is localized to the carboxyl-terminal 15 residues. Delta (d) and epsilon (e) tubulin have been found to localize at centrioles and may play a role in forming the mitotic spindle during mitosis, though neither is as well-studied as the a- and ? forms.

Molecular Weight: 50327

Gene ID: 81027

NCBI Accession: NP_110400

UniProt: Q9H4B7

Pathways: Microtubule Dynamics

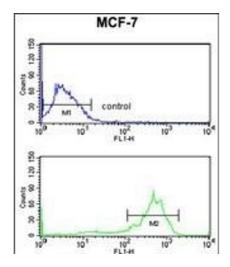
Application Details

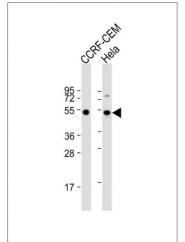
Application Notes: WB: 1:2000. IHC-P: 1:50~100. FC: 1:10~50

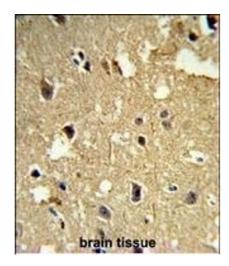
Restrictions: For Research Use only

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	
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.	
Expiry Date:	6 months	







Flow Cytometry

Image 1. TBB1 Antibody (ABIN652970 and ABIN2842615) flow cytometry analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. All lanes: Anti-TBB1 Antibody at 1:2000 dilution Lane 1: CCRF-CEM whole cell lysate Lane 2: Hela 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. Formalin-fixed and paraffin-embedded human brain tissue reacted with TBB1 Antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.