10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

beta II Tubulin Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5682

Product Information

Application	WB
Primary Accession	Q7TMM9
Other Accession	P09203, Q9NFZ7, Q13885, Q4R5B3, P85108, Q6B856, Q9BVA1, Q9CWF2, Q3KRE8, P32882, P13602, Q9NFZ5, P30156, P20802, O59837, P02554
Reactivity	Human, Mouse, Rat
Predicted	Human, Mouse, Monkey, Dog, Sheep, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49907
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	22151
Antigen Region	30-46
Other Names	Tubulin beta-2A chain, Tubb2a, Tubb2
Dilution	WB~~1:2000
Target/Specificity	This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 14-46 amino acids from human.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	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.
Precautions	beta II Tubulin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Tubb2a
Synonyms	Tubb2

Function	Tubulin is the major constituent of microtubules, a cylinder consisting of laterally associated linear protofilaments composed of alpha- and beta-tubulin heterodimers. Microtubules grow by the addition of GTP-tubulin dimers to the microtubule end, where a stabilizing cap forms. Below the cap, tubulin dimers are in GDP-bound state, owing to GTPase activity of alpha-tubulin.
Cellular Location	Cytoplasm, cytoskeleton.

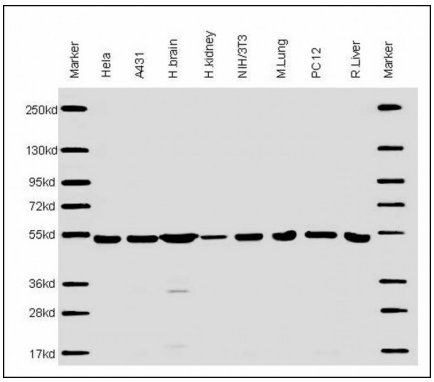
Background

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 (By similarity).

References

Carninci P.,et al.Science 309:1559-1563(2005).
Lubec G.,et al.Submitted (JAN-2009) to UniProtKB.
Janke C.,et al.Science 308:1758-1762(2005).
Rogowski K.,et al.Cell 137:1076-1087(2009).
Yoshida K.,et al.Biochem. Biophys. Res. Commun. 389:506-511(2009).

Images



All lanes : Anti-beta II Tubulin at1:2000 dilution Lane 1: Hela whole cell lysate Lane 2: A431 whole cell lysate Lane 3: human brain lysate Lane 4: human Kidney lysate Lane 5: NIH/3T3 whole cell lysate Lane 5: mouse lung lysate Lane 5: PC12 whole cell lysate Lane 5: rat liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 55 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.