

## **TUBB6 Antibody (Center)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP11928c

## **Specification**

## **TUBB6 Antibody (Center) - Product Information**

Application WB,E
Primary Accession O9BUF5

Other Accession <u>Q9D6F9</u>, <u>Q4R4X8</u>, <u>P04350</u>, <u>Q3ZBU7</u>,

NP\_115914.1

Reactivity Human

Predicted Bovine, Monkey, Mouse

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Calculated MW 49857
Antigen Region 139-166

# **TUBB6 Antibody (Center) - Additional Information**

#### **Gene ID 84617**

#### **Other Names**

Tubulin beta-6 chain, Tubulin beta class V, TUBB6

## Target/Specificity

This TUBB6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 139-166 amino acids from the Central region of human TUBB6.

#### **Dilution**

WB~~1:2000

E~~Use at an assay dependent concentration.

#### **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**

TUBB6 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## **TUBB6 Antibody (Center) - Protein Information**

## Name TUBB6



**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.

#### **Tissue Location**

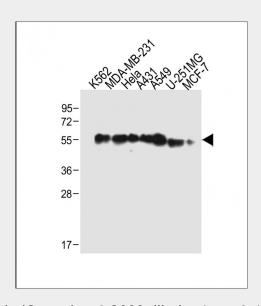
Ubiquitous. Maximal expression in breast and lung, where it represents around 10% of all beta-tubulins. Largely decreased expression in most cancerous tissues.

# **TUBB6 Antibody (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# **TUBB6 Antibody (Center) - Images**



All lanes : Anti-TUBB6 Antibody (Center) at 1:2000 dilution Lane 1: K562 whole cell lysate Lane 2: MDA-MB-231 whole cell lysate Lane 3: Hela whole cell lysate Lane 4: A431 whole cell lysate Lane 5: A549 whole cell lysate Lane 6: U-251MG whole cell lysate Lane 7: MCF-7 whole cell lysate Lysates/proteins at 20  $\mu$ g 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.

## TUBB6 Antibody (Center) - 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).

# **TUBB6 Antibody (Center) - References**

Leandro-Garcia, L.J., et al. Cytoskeleton (Hoboken) 67(4):214-223(2010) Matsuoka, S., et al. Science 316(5828):1160-1166(2007)