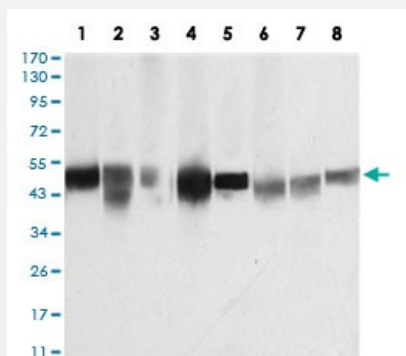


# TUBB1 monoclonal antibody, clone 2A1A9

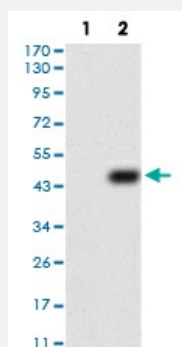
Catalog # MAB16676      Size 100 ug

## Applications



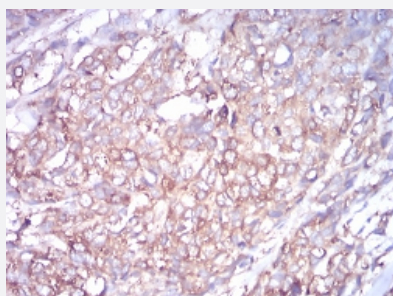
### Western Blot (Cell lysate)

Western blot analysis of Lane 1: K562 cell; Lane 2: HepG2; Lane 3: A431 cell; Lane 4: Jurkat cell; Lane 5: HeLa; Lane 6: NIH/3T3 cell; Lane 7: Cos7 cell and Lane 8: PC-12 cell with TUBB1 monoclonal antibody.



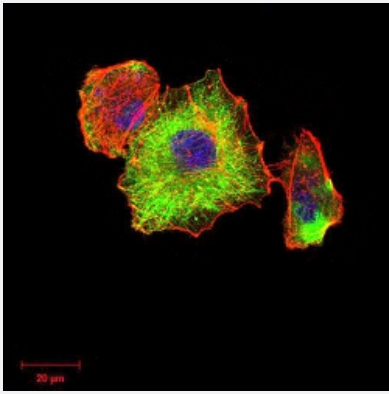
### Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293 cell; Lane 2: TUBB1-hlgGfc transfected HEK293 cell with TUBB1 monoclonal antibody.



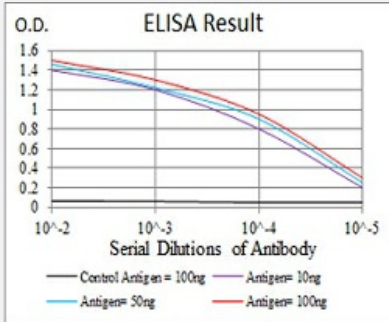
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded ovarian cancer tissues with TUBB1 monoclonal antibody.



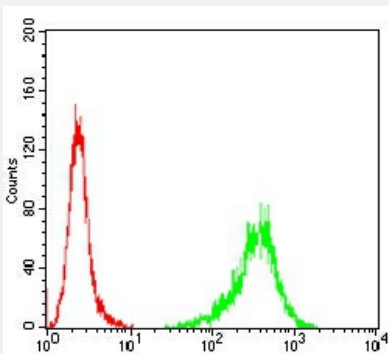
## Immunocytochemistry

Immunocytochemical staining of HeLa cells with TUBB1 monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments labeled with Alexa Fluor-555 phalloidin (red).



## Enzyme-linked Immunoabsorbent Assay

ELISA analysis of TUBB1 monoclonal antibody, clone 2A1A9.



## Flow Cytometry

Flow cytometric analysis of A431 cells with TUBB1 monoclonal antibody (green) and negative control (red).

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against recombinant human TUBB1.
<b>Immunogen</b>	Recombinant protein corresponding to amino acid 33-166 of human TUBB1 from <i>E. coli</i> .
<b>Host</b>	Mouse
<b>Theoretical MW (kDa)</b>	50.3
<b>Reactivity</b>	Human, Monkey, Mouse, Rat
<b>Form</b>	Liquid
<b>Isotype</b>	IgG1

<b>Recommend Usage</b>	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunocytochemistry (1:200-1:1000) Flow Cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.05% sodium azide).
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of Lane 1: K562 cell; Lane 2: HepG2; Lane 3: A431 cell; Lane 4: Jurkat cell; Lane 5: Hela; Lane 6: NIH/3T3 cell; Lane 7: Cos7 cell and Lane 8: PC-12 cell with TUBB1 monoclonal antibody.

- Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293 cell; Lane 2: TUBB1-hlgGfc transfected HEK293 cell with TUBB1 monoclonal antibody.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded ovarian cancer tissues with TUBB1 monoclonal antibody.

- Immunocytochemistry

Immunocytochemical staining of Hela cells with TUBB1 monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments labeled with Alexa Fluor-555 phalloidin (red).

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of TUBB1 monoclonal antibody, clone 2A1A9.

- Flow Cytometry

Flow cytometric analysis of A431 cells with TUBB1 monoclonal antibody (green) and negative control (red).

## Gene Info — TUBB1

Entrez GeneID

[81027](#)

Gene Name	TUBB1
Gene Alias	dJ543J19.4
Gene Description	tubulin, beta 1
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	Microtubules are involved in a wide variety of cellular processes, including mitosis, morphogenesis, platelet formation, and mobility of cilia and flagella. Circulating platelets carry a single marginal microtubule coil that is wound in 8 to 12 turns and is responsible for platelet shape. TUBB1 is the major beta-tubulin expressed in platelets and megakaryocytes and is required for optimal platelet assembly (Wang et al., 1986 [PubMed 3782288]; Schulze et al., 2004 [PubMed 15315966]).[supplied by OMIM]
Other Designations	OTTHUMP00000031411 beta tubulin 1, class VI

## Pathway

- [Gap junction](#)
- [Pathogenic Escherichia coli infection - EHEC](#)

## Disease

- [Cardiovascular Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Hemorrhagic Disorders](#)
- [Myocardial Infarction](#)
- [Thrombocytopenia](#)
- [Thrombosis](#)