BT LAB
Bioassay Technology Laboratory
Optimize Your Research

TUBB1 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4845
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human TUBB1 (AA: 33-166) expressed in E. Coli.
Mol wt	50.3kDa
Species reactivity	Human,Mouse,Monkey,Rat
Clonality	Monoclonal
Recommended application	WB,IHC,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	Tubulin beta-1 chain

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes a member of the beta tubulin protein family. Beta tubulins are one of two core protein families (alpha and beta tubulins) that heterodimerize and assemble to form microtubules. This protein is specifically expressed in platelets and megakaryocytes and may be involved in proplatelet production and platelet release. A mutations in this gene is associated with autosomal dominant macrothrombocytopenia. Two pseudogenes of this gene are found on chromosome Y.

Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

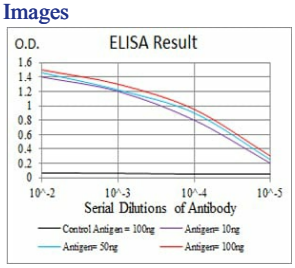
ICC: 1:200 - 1:1000

FCM: 1:200 - 1:400

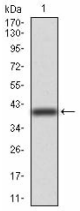
ELISA: 1:10000

Not yet tested in other applications.

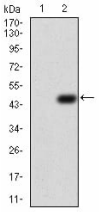
Images



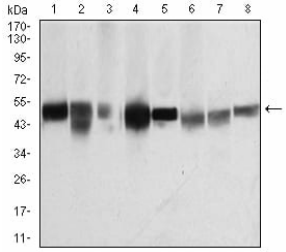
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



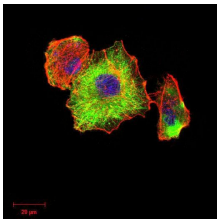
Western blot analysis using TUBB1 mAb against human TUBB1 (AA: 33-166) recombinant protein. (Expected MW is 40.5 kDa)



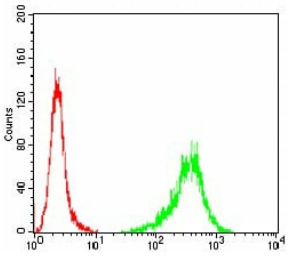
Western blot analysis using TUBB1 mAb against HEK293 (1) and TUBB1 (AA: 33-166)-hIgGFc transfected HEK293 (2) cell lysate.



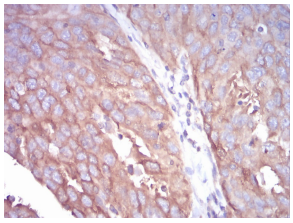
Western blot analysis using TUBB1 mouse mAb against K562 (1), HepG2 (2), A431 (3), Jurkat (4), Hela (5), NIH/3T3 (6), Cos7 (7) and PC12 (8) cell lysate.



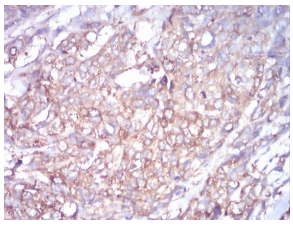
Immunofluorescence analysis of Hela cells using TUBB1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Flow cytometric analysis of A431 cells using TUBB1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded ovarian cancer tissues using TUBB1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded ovarian cancer tissues using TUBB1 mouse mAb with DAB staining.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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