

Product Name: TUBB3 Mouse Monoclonal Antibody**Catalog #: AMM82378**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA,FC
Reactivity	Human, Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	50kDa

Antigen Information

Gene Name	TUBB3
Alternative Names	CDCBM, CDCBM1, CFEOM3, CFEOM3A, FEOM3, TUBB4, beta-4
Gene ID	10381.0
SwissProt ID	Q13509
Immunogen	436-450:cMYEDDEESEAQGPK

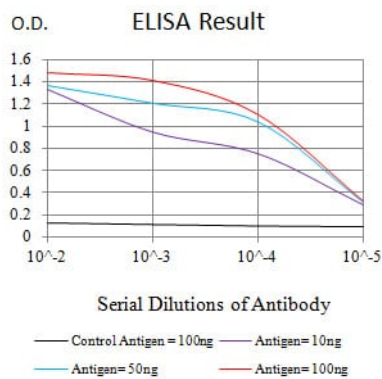
Background

This gene encodes a tumor suppressor protein containing transcriptional activation, DNA binding, and oligomerization domains. The encoded protein responds to diverse cellular stresses to regulate expression of target genes, thereby inducing cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. Mutations in this gene are associated with a

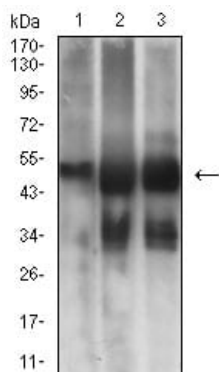
variety of human cancers, including hereditary cancers such as Li-Fraumeni syndrome. Alternative splicing of this gene and the use of alternate promoters result in multiple transcript variants and isoforms. Additional isoforms have also been shown to result from the use of alternate translation initiation codons from identical transcript variants.

Research Area

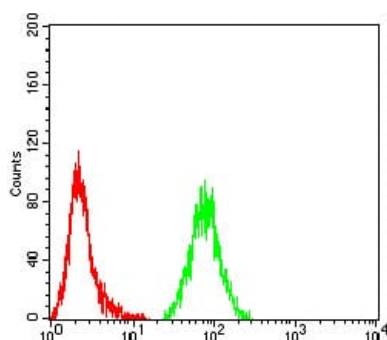
Image Data



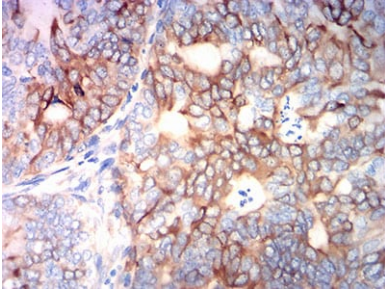
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



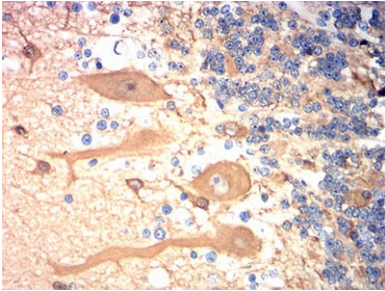
Western blot analysis using TUBB3 mouse mAb against NIH/3T3 (1), HeLa (2), and A549 (3) cell lysate.



Flow cytometric analysis of HeLa cells using TUBB3 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using TUBB3 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human cerebellum tissues using TUBB3 mouse mAb with DAB staining.