

Anti-Alpha-tubulin 4a Antibody

Catalog # AP96098

Product Information

Application	WB, IHC, FC
Primary Accession	P68366
Reactivity	Human, Mouse, Rat, Mk
Host	Mouse
Clonality	Monoclonal
Calculated MW	49924

Additional Information

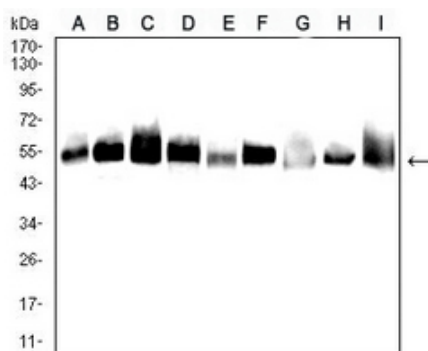
Gene ID	7277
Other Names	TUBA1; Tubulin alpha-4A chain; Alpha-tubulin 1; Testis-specific, alpha-tubulin; Tubulin H2-alpha; Tubulin alpha-1 chain
Target/Specificity	Recombinant fusion protein of human Alpha-tubulin 4a expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200)
Format	Mouse IgG2a. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

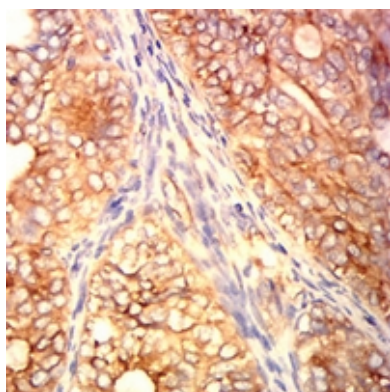
Name	TUBA4A
Synonyms	TUBA1
Function	Tubulin is the major constituent of microtubules, a cylinder consisting of laterally associated linear protofilaments composed of alpha- and beta-tubulin heterodimers. Microtubules grow by the addition of GTP-tubulin dimers to the microtubule end, where a stabilizing cap forms. Below the cap, tubulin dimers are in GDP-bound state, owing to GTPase activity of alpha-tubulin.
Cellular Location	Cytoplasm, cytoskeleton.

Images

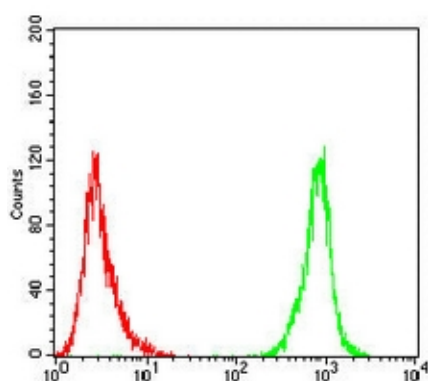
Western blot analysis of Alpha-tubulin 4a expression in



A431 (A), HeLa (B), HepG2 (C), Jurkat (D), COS7 (E), C6 (F), NIH3T3 (G), HEK293 (H), HEK293-6e (I) whole cell lysates. (Predicted band size: 50 kD; Observed band size: 50 kD)



Immunohistochemical analysis of Alpha-tubulin 4a staining in human bladder cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Flow cytometric analysis of A431 cells using Anti-Alpha-tubulin 4a Antibody (green) and negative control (red).

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