

Anti-alpha Tubulin TUBA1B Rabbit Monoclonal Antibody

Catalog # ABO14135

Product Information

Application	WB, IHC, IF, ICC, IP, FC
Primary Accession	P68366
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-alpha Tubulin TUBA1B Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

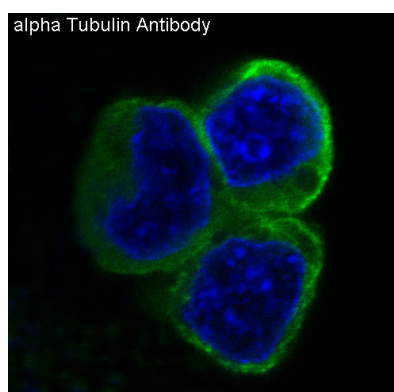
Additional Information

Gene ID	7277
Other Names	Tubulin alpha-4A chain, 3.6.5.-, Alpha-tubulin 1, Testis-specific alpha-tubulin, Tubulin H2-alpha, Tubulin alpha-1 chain, TUBA4A, TUBA1
Calculated MW	49924
Application Details	WB 1:1000-1:5000 IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:50 FC 1:50
Subcellular Localization	Cytoplasm, cytoskeleton.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: CG-20
Immunogen	A synthesized peptide derived from human alpha Tubulin
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

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



Immunofluorescent analysis of 293 cells, using alpha Tubulin Antibody .

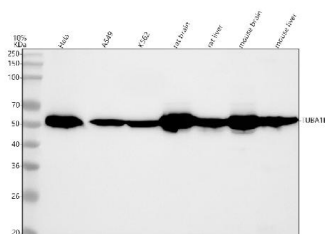


Figure 1. Western blot analysis of Alpha Tubulin using anti-Alpha Tubulin antibody (M08382-1).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Hela whole cell lysates,
 Lane 2: human A549 whole cell lysates,
 Lane 3: human K562 whole cell lysates,
 Lane 4: rat brain tissue lysates,
 Lane 5: rat liver tissue lysates,
 Lane 6: mouse brain tissue lysates,
 Lane 7: mouse liver tissue lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Alpha Tubulin antigen affinity purified monoclonal antibody (Catalog # M08382-1) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Alpha Tubulin at approximately 55 kDa. The expected band size for Alpha Tubulin is at 55 kDa.