

## Anti-alpha Tubulin TUBA1B Rabbit Monoclonal Antibody Catalog # ABO14135

### Specification

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#### Anti-alpha Tubulin TUBA1B Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC, IF, ICC, IP, FC
Primary Accession	<a href="#">P68366</a>
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.

#### Anti-alpha Tubulin TUBA1B Rabbit Monoclonal Antibody - 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

50152 MW KDa

#### Application Details

WB 1:1000-1:5000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>IP 1:50<br>FC 1:50

#### Subcellular Localization

Cytoplasm, cytoskeleton.

#### 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.

#### 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.

#### Anti-alpha Tubulin TUBA1B Rabbit Monoclonal Antibody - 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**

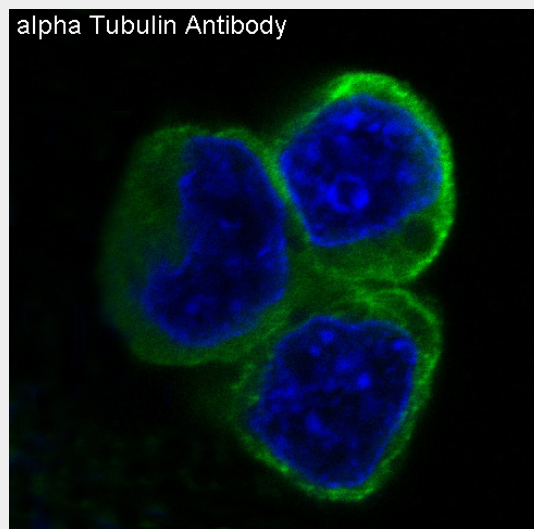
Cytoplasm, cytoskeleton.

**Anti-alpha Tubulin TUBA1B Rabbit Monoclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-alpha Tubulin TUBA1B Rabbit Monoclonal Antibody - Images**



Immunofluorescent analysis of 293 cells, using alpha Tubulin Antibody .

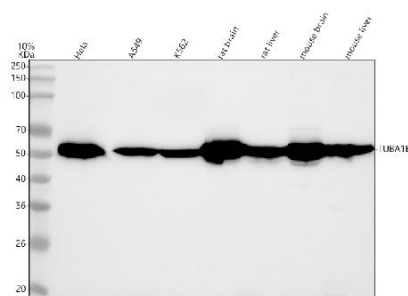


Figure 1. Western blot analysis of Alpha Tubulin using anti-Alpha Tubulin antibody (M08382-1). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

- 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.