10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TUBE1 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1940a

Specification

TUBE1 Antibody - Product Information

Application	**E, WB, FC, IHC**
Primary Accession	Q9UJT0
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**53kDa KDa**

Description
This gene encodes a member of the tubulin superfamily. This protein localizes to the centriolar sub-distal appendages that are associated with the older of the two centrioles after centrosome duplication. This protein plays a central role in organization of the microtubules during centriole duplication. A pseudogene of this gene is found on chromosome 5.

Immunogen
Purified recombinant fragment of human TUBE1 (AA: 314-472) expressed in E. Coli.

Formulation
Purified antibody in PBS with 0.05% sodium azide.

TUBE1 Antibody - Additional Information

Gene ID 51175

Other Names
Tubulin epsilon chain, Epsilon-tubulin, TUBE1, TUBE

Dilution
E~~1/10000
WB~~1/500 - 1/2000
FC~~1/200 - 1/400
IHC~~1/200 - 1/1000

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
TUBE1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

TUBE1 Antibody - Protein Information

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Name TUBE1

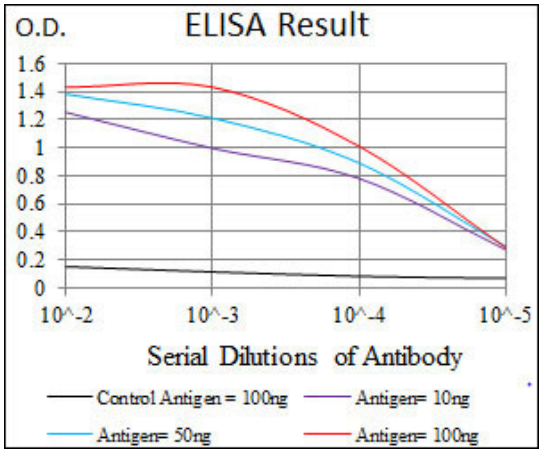
Synonyms TUBE

Cellular Location
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Note=Associated with pericentriolar material.

TUBE1 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 Cytomety
- Cell Culture



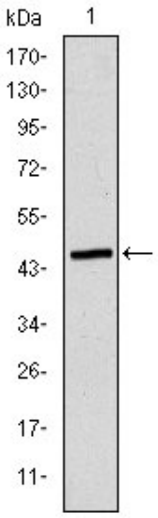


Figure 1: Western blot analysis using TUBE1 mAb against human TUBE1 (AA: 314-472) recombinant protein. (Expected MW is 44.3 kDa)

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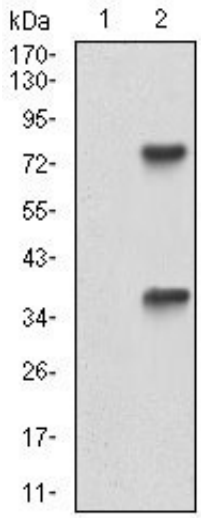


Figure 2: Western blot analysis using TUBE1 mAb against HEK293 (1) and TUBE1 (AA: 314-472)-hIgGFc transfected HEK293 (2) cell lysate.

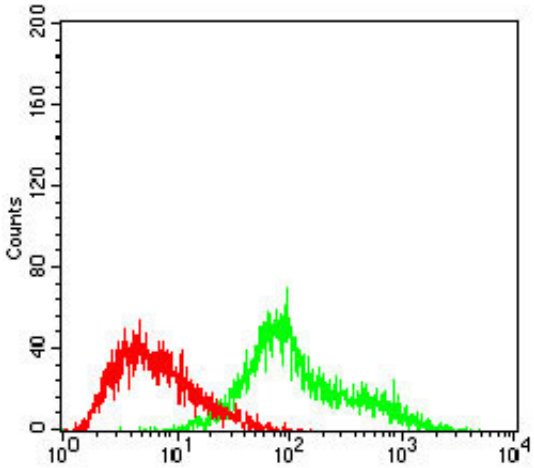


Figure 3: Flow cytometric analysis of Hela cells using TUBE1 mouse mAb (green) and negative control (red).

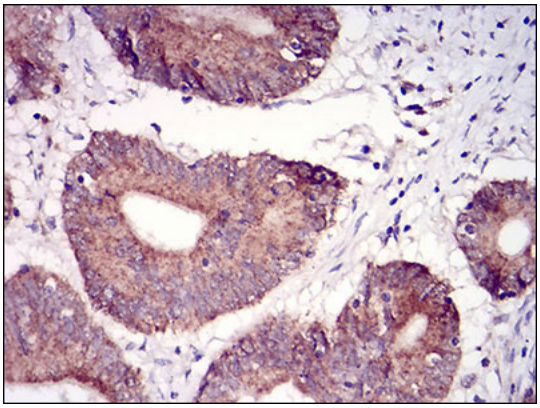


Figure 4: Immunohistochemical analysis of paraffin-embedded colon cancer tissues using TUBE1 mouse mAb with DAB staining.

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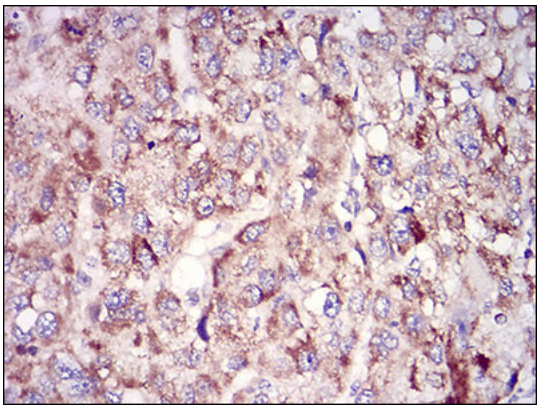


Figure 5: Immunohistochemical analysis of paraffin-embedded liver cancer tissues using TUBE1 mouse mAb with DAB staining.

TUBE1 Antibody - Background

The innate immune system confers host defense against viral and microbial infection, and TRAFD1 is a negative feedback regulator that controls excessive immune responses ; ;

TUBE1 Antibody - References

1. Nat Cell Biol. 2003 Jan;5(1):71-6.2. Nat Cell Biol. 2000 Jan;2(1):30-5.