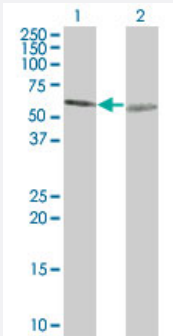


TUBA1 monoclonal antibody (M03), clone 2A11

Catalog # H00007277-M03 Size 100 ug

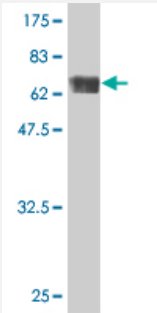
Applications



Western Blot (Transfected lysate)

Western Blot analysis of TUBA1 expression in transfected 293T cell line by TUBA1 monoclonal antibody (M03), clone 2A11.

Lane 1: TUBA1 transfected lysate(49.9 KDa).
Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (75.02 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant TUBA1.
Immunogen	TUBA1 (AAH09238, 1 a.a. ~ 448 a.a) full-length recombinant protein with GST tag. MW of the GST t ag alone is 26 KDa.
Sequence	MRECISVHVGGAGVQMGNACWELCYLEHGIQPDGQMPSDKTIGGGDDSFSTFFCETGAGKHVP RAVFVDLEPTVIDEIRNGPYRQLFHPEQLITGKEDAANNYARGHYTGKEIIDPVLDRIKRLSDQCTGL QGFLVFHSGGGTSGGFTSLLMERLSVDYGKKSLEFSYPAPQVSTAVVEPYNSILTHTTLEHS DCAFMVDNEAIDICRRNLDIERPTYTNLNLISQIVSSITASLRFDGALNVDLTFEQTNLVPYPRIHF PLATYAPVISA EKAYHEQLSVAEITNACFEPANQMVKCDPRHGKYMACECLLYRGDVVPKDVNAAI AAIKTKRSIQFVDWCPTGFKVGINYQPPTVVPGGDLAKVQRAVCMLSNTTAAEAWARLDHKFDL MYAKRAVFHWVVGEGMEEGEFSEAREDMAALEKDYEVEVGIDSYEDEDEGEE

Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (75.02 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

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Lane 1: TUBA1 transfected lysate(49.9 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — TUBA4A

Entrez GeneID	7277
GeneBank Accession#	BC009238
Protein Accession#	AAH09238
Gene Name	TUBA4A
Gene Alias	FLJ30169, H2-ALPHA, TUBA1
Gene Description	tubulin, alpha 4a
Omim ID	191110

Gene Ontology

[Hyperlink](#)

Gene Summary

Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are composed of a heterodimer of alpha and beta tubulin. The genes encoding these microtubule constituents are part of the tubulin superfamily, which is composed of six distinct families. Genes from the alpha, beta and gamma tubulin families are found in all eukaryotes. The alpha and beta tubulins represent the major components of microtubules, while gamma tubulin plays a critical role in the nucleation of microtubule assembly. There are multiple alpha and beta tubulin genes and they are highly conserved among and between species. This gene encodes an alpha tubulin that is a highly conserved homolog of a rat testis-specific alpha tubulin. [provided by RefSeq]

Other Designations

tubulin alpha-1 chain|tubulin, alpha 1 (testis specific)

Publication Reference

- [Paternal transmission of the Wolbachia CidB toxin underlies cytoplasmic incompatibility.](#)

Béatrice Horard, Kevin Terretaz, Anne-Sophie Gosselin-Grenet, Hélène Sobry, Mathieu Sicard, Frédéric Landmann, Benjamin Loppin.

Current Biology : CB 2022 Mar; 32(6):131.

Application: WB, Drosophila, S2R+ cells

Pathway

- [Gap junction](#)
- [Pathogenic Escherichia coli infection - EHEC](#)

Disease

- [Diabetes Mellitus](#)