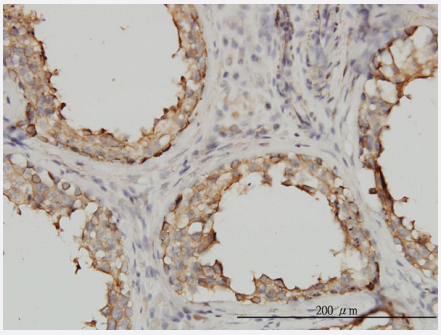
TUBA1 monoclonal antibody (M01), clone 2E11

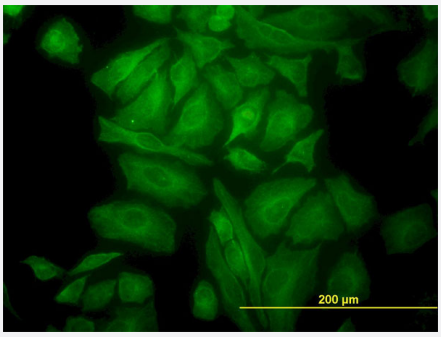
Catalog # H00007277-M01 Size 100 ug

Applications



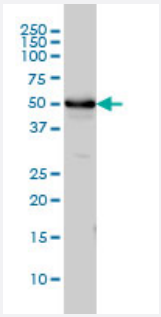
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to TUBA1 on formalin-fixed paraffin-embedded human testis. [antibody concentration 3 ug/ml]



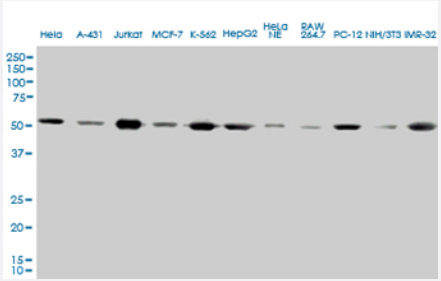
Immunofluorescence

Immunofluorescence of monoclonal antibody to TUBA1 on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot (Cell lysate)

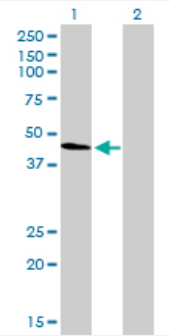
TUBA1 monoclonal antibody (M01), clone 2E11. Western Blot analysis of TUBA1 expression in HeLa.



Western Blot (Cell lysate)

TUBA1 monoclonal antibody (M01), clone 2E11. Western Blot analysis of TUBA1 expression in different Cell lines and Human Tissue.

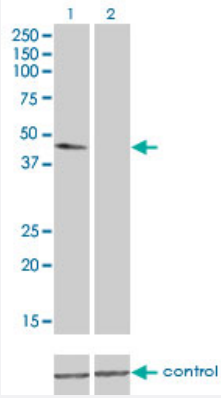
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Western Blot (Transfected lysate)

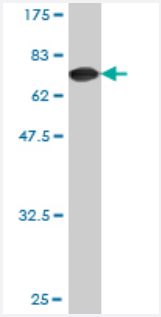
Western Blot analysis of TUBA1 expression in transfected 293T cell line by TUBA1 monoclonal antibody (M01), clone 2E11.

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



RNAi Knockdown (Antibody validated)

Western blot analysis of TUBA1 over-expressed 293 cell line, cotransfected with TUBA1 Validated Chimera RNAi (Cat # H00007277-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with TUBA1 monoclonal antibody (M01), clone 2E11 (Cat # H00007277-M01). GAPDH (36.1 kDa) used as specificity and loading control.



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	MRECISVHVGQAGVQMGNACWELYCLEHGIQPDGQMPSDKTIGGGDDSFTTFFCETGAGKHVP RAVFVDLEPTVIDEIRNGPYRQLFHPEQLITGKEDAANNYARGHYTIGKEIIDPVLDRIRKLSDQCTGL QGFLVFHSFGGGTGSGFTSLLMERLSVDYGKKSKLEFSIYPAPQVSTAVVEPYNSILTTHTTLEHS DCAFMVDNEAIYDICRRNLDIERPTYTNLNRLISQIVSSITASLRFDGALNVDLTEFQTNLVPYPRIHF PLATYAPVISAEKAYHEQLSVAEITNACFEPANQMVKCDPRHGKYMACCLLYRGDVVPKDVNAAI AAIKTKRSIQFVDWCPTGFKVGINYQPPTVVPGGDLAKVQRAVCMLSNTTAIAEAWARLDHKFDL MYAKRAFVHWYVGEGMEEGEFSEAREDMAALEKDYEEVGIDSYEDEDEGEE
Host	Mouse

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Reactivity	Human
Isotype	IgG2b 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

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunoperoxidase of monoclonal antibody to TUBA1 on formalin-fixed paraffin-embedded human testis. [antibody concentration 3 ug/ml]

  Protocol Download

- Immunofluorescence

  Immunofluorescence of monoclonal antibody to TUBA1 on HeLa cell. [antibody concentration 10 ug/ml]

  Protocol Download

- ELISA

- Western Blot (Cell lysate)

  TUBA1 monoclonal antibody (M01), clone 2E11. Western Blot analysis of TUBA1 expression in HeLa.

  Protocol Download

- Western Blot (Cell lysate)

  TUBA1 monoclonal antibody (M01), clone 2E11. Western Blot analysis of TUBA1 expression in different Cell lines and Human Tissue.

  Protocol Download

- Western Blot (Transfected lysate)

  Western Blot analysis of TUBA1 expression in transfected 293T cell line by TUBA1 monoclonal antibody (M01), clone 2E11.

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

  Protocol Download

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- Western Blot (Recombinant protein)

  Protocol Download

- RNAi Knockdown (Antibody validated)

  Western blot analysis of TUBA1 over-expressed 293 cell line, cotransfected with TUBA1 Validated Chimera RNAi (Cat # H00007277-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with TUBA1 monoclonal antibody (M01), clone 2E11 (Cat # H00007277-M01). GAPDH (36.1 kDa) used as specificity and loading control.

  Protocol Download

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)

Pathway

- Gap junction
- Pathogenic Escherichia coli infection - EHEC

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Disease

- Diabetes Mellitus

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