

α Tubulin (Acetyl Lys40) (4A8) Mouse mAb

CatalogNo: YM3519 **Orthogonal Validated** 

Key Features

Host Species

- Mouse

Reactivity

- Human, Rat, Mouse, Drosophila

Applications

- WB, IF, IHC

MW

- 52kD (Observed)

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:1000-2000**IHC 1:50-100****IF 1:200**

Basic Information

Clonality Monoclonal**Clone Number** 4A8

Immunogen Information

Immunogen Synthetic Peptide of α -tubulin (Acetyl Lys40)**Specificity** α -tubulin (Acetyl Lys40) protein detects endogenous levels of α -tubulin (Acetyl Lys40)

Target Information

Gene name TUBA1B

Protein Name Tubulin alpha-1B chain (Alpha-tubulin ubiquitous) (Tubulin K-alpha-1) (Tubulin alpha-ubiquitous chain)

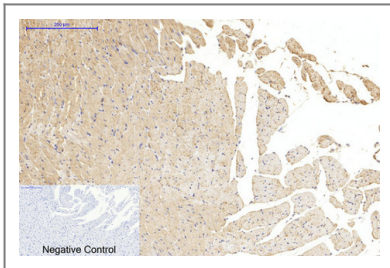
Organism	Gene ID	UniProt ID
Human	7277 ;	P68363 ;
Mouse		P05213 ;
Rat		Q6P9V9 ;

Cellular Localization Cytoplasm, cytoskeleton.

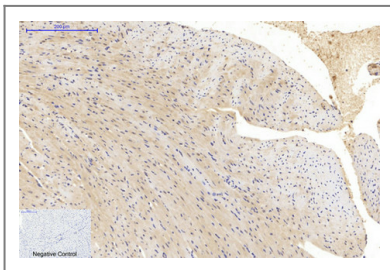
Tissue specificity Brain,Cajal-Retzius cell,Colon,Embryonic kidney,Eye,Fetal brain cortex,Keratinocyte

Function Function:Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha-chain.,PTM:Undergoes a tyrosination/detyrosination cycle, the cyclic removal and re-addition of a C-terminal tyrosine residue by the enzymes tubulin tyrosine carboxypeptidase (TTCP) and tubulin tyrosine ligase (TTL), respectively.,similarity:Belongs to the tubulin family.,subunit:Dimer of alpha and beta chains.,

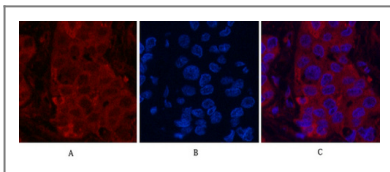
Validation Data



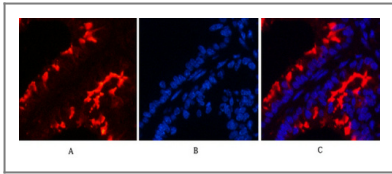
Immunohistochemical analysis of paraffin-embedded Rat-heart tissue. 1, α -tubulin (Acetyl Lys40) Monoclonal Antibody(4A8) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



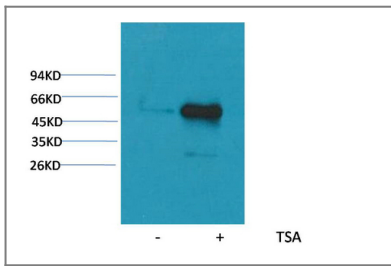
Immunohistochemical analysis of paraffin-embedded Mouse-heart tissue. 1, α -tubulin (Acetyl Lys40) Monoclonal Antibody(4A8) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunofluorescence analysis of Human-liver-cancer tissue. 1, α -tubulin (Acetyl Lys40) Monoclonal Antibody(4A8)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunofluorescence analysis of Mouse-lung tissue. 1, α -tubulin (Acetyl Lys40) Monoclonal Antibody(4A8)(red) was diluted at 1:200(4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min). 3, Picture B: DAPI(blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



Western blot analysis of extracts from HeLa cells, untreated (-) or treated with TSA (1 μ M, 18 hr; +), using Acetyl- α -tubulin(Lys40) Mouse mAb 1:2000.

Contact information

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Please scan the QR code to access additional product information:
 α Tubulin (Acetyl Lys40) (4A8) Mouse mAb

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