

α Tubulin (Acetyl Lys40) (5H5) Mouse mAb

CatalogNo: YM3585 **Orthogonal Validated** 

Key Features

Host Species

- Mouse

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF

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 1:100-200****IF 1:50-200**

Basic Information

Clonality Monoclonal**Clone Number** 5H5

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)

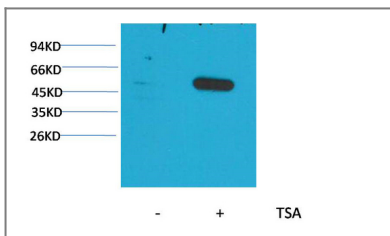
Organism	Gene ID	UniProt ID
Human	7277 ;	P68363 ;
Mouse		P05213 ;
Rat		Q6P9V9 ;

Cellular Localization Cytoplasm, cytoskeleton.

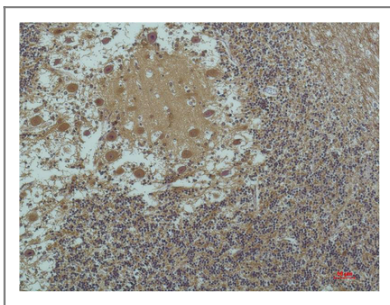
Tissue specificity Brain,Cajal-Retzius cell,Colon,Embryonic kidney,Eye,Fetal brain cortex,Keratinocyte

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



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.



Immunohistochemical analysis of paraffin-embedded Human Brain Tissue using α -tubulin(Acetyl Lys40) Mouse mAb diluted at 1:200.

Contact information

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α Tubulin (Acetyl Lys40) (5H5) Mouse mAb

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