

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)

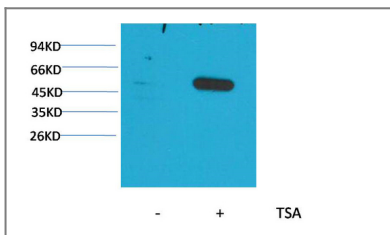
Organism	Gene ID	UniProt ID
Human	7277 ;	P68363 ;
Mouse		P05213 ;
Rat		Q6P9V9 ;

Cellular Localization Cytoplasm , cytoskeleton.

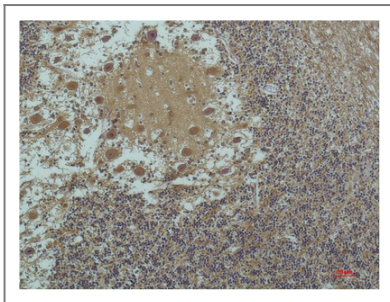
Tissue specificity Brain ,Cajal-Retzius cell ,Colon ,Embryonic kidney ,Eye ,Fetal brain cortex ,Keratinocyte

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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