

## $\alpha$ -tubulin mouse mAb(8F11) antibody

Catalog No :	Source:	Concentration :	Mol.Wt. (Da):
A23879	Mouse	1 mg/ml	50136
<b>Applications</b>	WB,IHC,IF,IP		
<b>Reactivity</b>	Human,Rat,Mouse		
<b>Dilution</b>	WB: 1:500-10000 IP:1:200 IF 1:200 IHC 1:50-300		
<b>Storage</b>	-20°C/1 year		
<b>Specificity</b>	The antibody detects endogenous $\alpha$ -tubulin protein.		
<b>Source / Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.		
<b>Immunogen</b>	Recombinant Protein of Tubulin alpha-1A chain		
<b>Uniprot No</b>	Q71U36/P68363		
<b>Alternative names</b>			
<b>Form</b>	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.		
<b>Clonality</b>	Monoclonal		
<b>Isotype</b>	IgG		
<b>Conjugation</b>			
<b>Background</b>	<p>tubulin alpha 1a(TUBA1A) Homo sapiens Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are composed of a heterodimer of alpha and beta tubulins. The genes encoding these microtubule constituents belong to 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, which are highly conserved among species. This gene encodes alpha tubulin and is highly similar to the mouse and rat Tuba1 genes. Northern blotting studies have shown that the gene expression is predominantly found in morphologically differentiated neurologic cells. This gene is one of three alpha-tubulin genes in a cluster on chromosome 12q.</p>		
<b>Other</b>	TUBA1A, Tubulin alpha-1A chain		
<b>Product Images:</b>			

**Application Key:**

WB-Western IP-Immunoprecipitation IHC-Immunohistochemistry ChIP-Chromatin Immunoprecipitation  
IF-Immunofluorescence F-Flow Cytometry E-P-ELISA-Peptide

**Species Cross-Reactivity Key:**

H-Human M-Mouse R-Rat Hm-Hamster Mk-Monkey Vir-Virus Mi-Mink C-Chicken Dm-D. melanogaster  
X-Xenopus Z-Zebrafish B-Bovine Dg-Dog Pg-Pig Sc-S. cerevisiae Ce-C. elegans Hr-Horse All-All  
Species Expected

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