

Tubulin α Rabbit pAb

CatalogNo: YN5437

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 52kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:2000

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

PBS, pH 7.4, containing 0.5% BSA, 0.02% sodium azide as Preservative and 50% Glycerol.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Recombinant Protein of Tubulin alpha-1A chain

Specificity

The antibody detects endogenous α -tubulin protein.

Target Information

Gene name

TUBA1A

Protein Name	Tubulin alpha-1A chain		
	Organism	Gene ID	UniProt ID
	Human	7846 ; 10376 ;	Q71U36 ; P68363 ;
	Mouse	22142 ; 22143 ;	
	Rat	64158 ; 500929 ;	P68370 ; Q6P9V9 ;
Cellular Localization	Cytoplasm, cytoskeleton.		
Tissue specificity	Expressed at a high level in fetal brain.		
Function	<p>Disease:Defects in TUBA1A are the cause of lissencephaly type 3 (LIS3) [MIM:611603]. LIS is characterized by a smooth brain surface due to the absence (agyria) or reduction (pachygyria) of surface convolutions. It is often associated with psychomotor retardation and seizures. LIS3 features include agyria or pachygyria or laminar heterotopia, severe mental retardation, motor delay, variable presence of seizures, and abnormalities of corpus callosum, hippocampus, cerebellar vermis and brainstem.,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.,tissue specificity:Expressed at a high level in fetal brain.,</p>		

| Validation Data

| Contact information

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