

## Tubulin $\alpha$ 1/3/4 Rabbit pAb

CatalogNo: YT4778

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, ELISA

#### MW

- 50-56kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**ELISA 1:10000**

**Not yet tested in other applications.**

### 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.

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human TUBA1/3/4. AA range: 238-287

**Specificity** Tubulin  $\alpha$ 1/3/4 Polyclonal Antibody detects endogenous levels of Tubulin  $\alpha$ 1/3/4 protein.

### Target Information

<b>Gene name</b>	TUBA1A		
<b>Protein Name</b>	Tubulin alpha-1A chain		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">7846</a> ; <a href="#">10376</a> ; <a href="#">84790</a> ; <a href="#">113457</a> ; <a href="#">7278</a> ; <a href="#">112714</a> ; <a href="#">Q71U36</a> ; <a href="#">P68363</a> ; <a href="#">Q9BQE3</a> ; <a href="#">Q13748</a> ; <a href="#">7277</a> ;	<a href="#">P68363</a> ; <a href="#">Q9BQE3</a> ; <a href="#">Q13748</a> ; <a href="#">Q6PEY2</a> ; <a href="#">P68366</a> ;
	Mouse	<a href="#">22142</a> ; <a href="#">22143</a> ; <a href="#">22146</a> ;	
	Rat	<a href="#">64158</a> ; <a href="#">500929</a> ; <a href="#">100909441</a> ;	<a href="#">P68370</a> ; <a href="#">Q6P9V9</a> ; <a href="#">Q6AYZ1</a> ;

**Cellular Localization** Cytoplasm, cytoskeleton.

**Tissue specificity** Expressed at a high level in fetal brain.

**Function** 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.,

## Validation Data

## Contact information

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Please scan the QR code to access additional product information:  
**Tubulin  $\alpha$ 1/3/4**  
**Rabbit pAb**