

# α Tubulin (Acetyl Lys352) Rabbit pAb

CatalogNo: YK0040

## Key Features

### Host Species

- Rabbit

### Reactivity

- Human, Mouse, Rat

### Applications

- WB, ELISA

### MW

- 50kD (Observed)

### Isotype

- IgG

## 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 1:500-1:2000**

**ELISA 1:20000**

**Not yet tested in other applications.**

## Basic Information

**Clonality** Polyclonal

## Immunogen Information

**Immunogen** The antiserum was produced against synthesized Acetyl-peptide derived from human TUBA1B around the Acetylation site of Lys352. AA range:311-360

**Specificity** Acetyl-Tubulin α (K352) Polyclonal Antibody detects endogenous levels of Tubulin α protein only when acetylated at K352. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):GfKvG

## Target Information

**Gene name** TUBA1A/TUBA1B/TUBA1C/TUBA3C/TUBA4A/TUBA8

**Protein Name** Tubulin alpha-1A chain/Tubulin alpha-1B chain/Tubulin alpha-1C chain/Tubulin alpha-3C/D chain/Tubulin alpha-4A chain/Tubulin alpha-8 chain

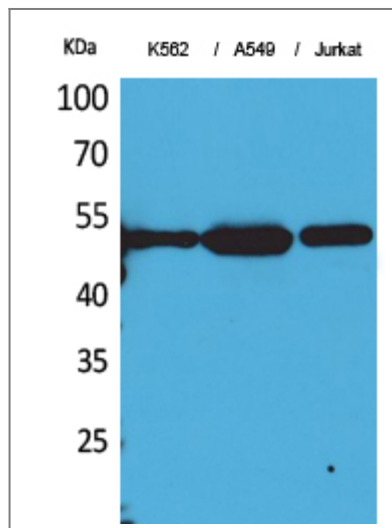
Organism	Gene ID	UniProt ID
Human	<a href="#">7846;</a>	<a href="#">Q71U36;</a>
Mouse	<a href="#">22142;</a>	<a href="#">P68369;</a>
Rat	<a href="#">64158;</a>	<a href="#">P68370;</a>

**Cellular Localization** Cytoplasm, cytoskeleton.

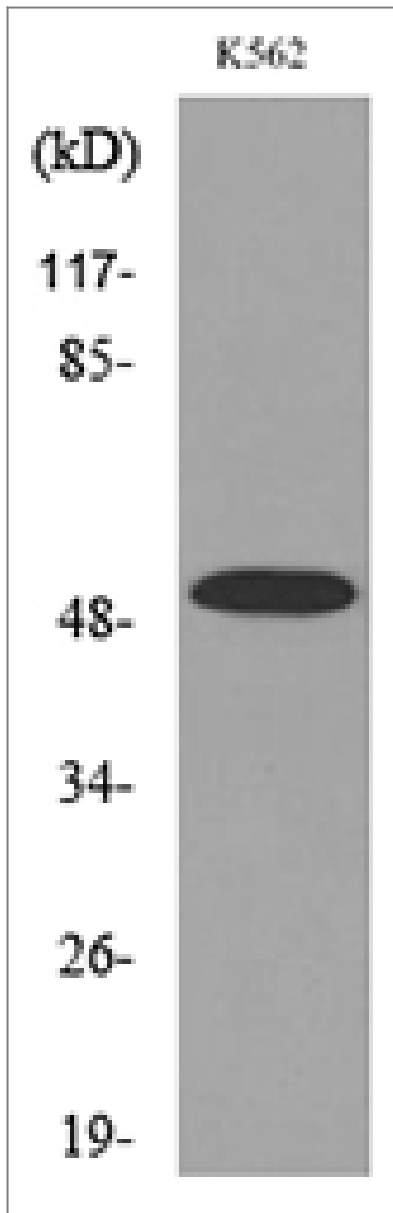
**Tissue specificity** Expressed at a high level in fetal brain.

**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



Western Blot analysis of K562, A549, Jurkat cells using Acetyl-Tubulin  $\alpha$  (K352) Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysate from K562 cells, using TUBA1B (Acetyl-Lys352) Antibody.

## Contact information

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Please scan the QR code to access additional product information:  
 **$\alpha$  Tubulin (Acetyl Lys352) Rabbit pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

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