# Recombinant alpha Tubulin (Acetyl K40) Monoclonal Antibody

**catalog number: AN301410L**

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

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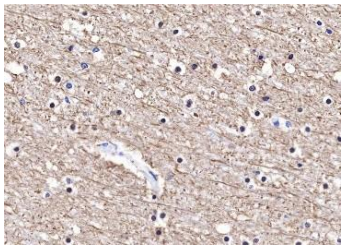
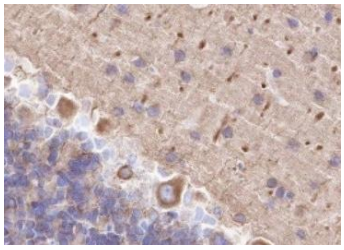
|---|---|
| **Reactivity** | Human;Rat;Mouse |
| **Immunogen** | Acetylated human histone Tubulin (acetyl K40) peptide |
| **Host** | Rabbit |
| **Isotype** | IgG, κ |
| **Clone** | A105 |
| **Purification** | Protein A purified |
| **Buffer** | PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant. |

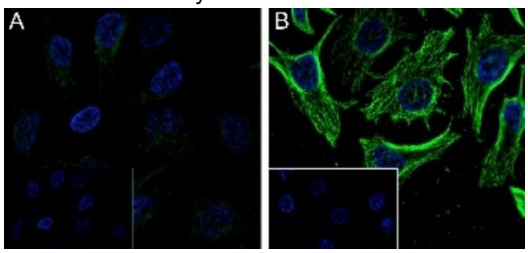
| Applications | Recommended Dilution |
|---|---|
| **WB** | 1:1000-1:6000 |
| **IHC** | 1:50-1:100 |
| **IF** | 1:25 |



Immunohistochemistry of paraffin-embedded Human cerebrum using alpha Tubulin (Acetyl K40) Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Rat cerebellum using alpha Tubulin (Acetyl K40) Monoclonal Antibody at dilution of 1:100.




Immunofluorescent analysis of (100% Ice-cold methanol) fixed (A) HeLa, (B) HeLa+Trichostatin A (50ug/mL, 4h) cells using anti-alpha Tubulin (Acetyl K40) Monoclonal Antibody at dilution of 1:25.

## Preparation & Storage

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|---|---|
| **Storage** | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| **Shipping** | Ice bag |

## Background

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. Acetylation of alpha chains at Lys-40 is located inside the microtubule lumen. This modification has been correlated with increased microtubule stability, intracellular transport and ciliary assembly.


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