10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Tubulin α (Acetyl Lys40) Polyclonal Antibody
Catalog # AP63236

Specification

Tubulin α (Acetyl Lys40) Polyclonal Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	Q71U36
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**

Tubulin α (Acetyl Lys40) Polyclonal Antibody - Additional Information

Gene ID 7846

Other Names
TUBA1A; TUBA3; Tubulin alpha-1A chain; Alpha-tubulin 3; Tubulin B-alpha-1; Tubulin alpha-3 chain; TUBA1B; Tubulin alpha-1B chain; Alpha-tubulin ubiquitous; Tubulin K-alpha-1; Tubulin alpha-ubiquitous chain; TUBA1C; TUBA6;Tubulin alpha-6 chain; TUBA3C; TUBA2; TUBA3D; Tubulin alpha-3C/D chain; Alpha-tubulin 2; Alpha-tubulin 3C/D; Tubulin alpha-2 chain; TUBA4A; TUBA1; Tubulin alpha-4A chain; Alpha-tubulin 1; Testis-specific alpha-tubulin;

Dilution
WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications.
IHC-P~~N/A

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

Tubulin α (Acetyl Lys40) Polyclonal Antibody - Protein Information

Name TUBA1A

Synonyms TUBA3

Function
Tubulin is the major constituent of microtubules, a cylinder consisting of laterally associated linear protofilaments composed of alpha- and beta-tubulin heterodimers. Microtubules grow by the addition of GTP-tubulin dimers to the microtubule end, where a stabilizing cap forms. Below the cap, tubulin dimers are in GDP-bound state, owing to GTPase activity of alpha-tubulin.

Cellular Location
Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, flagellum axoneme {ECO:0000250|UniProtKB:P68369}

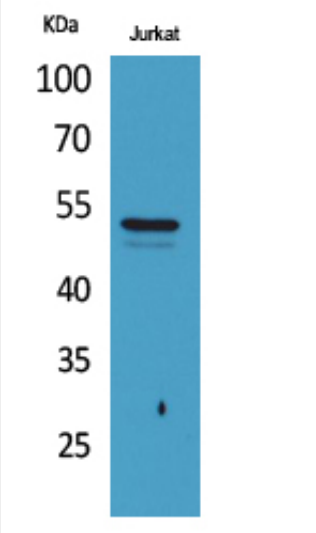
Tissue Location
Expressed at a high level in fetal brain.

Tubulin α (Acetyl Lys40) Polyclonal Antibody - Protocols

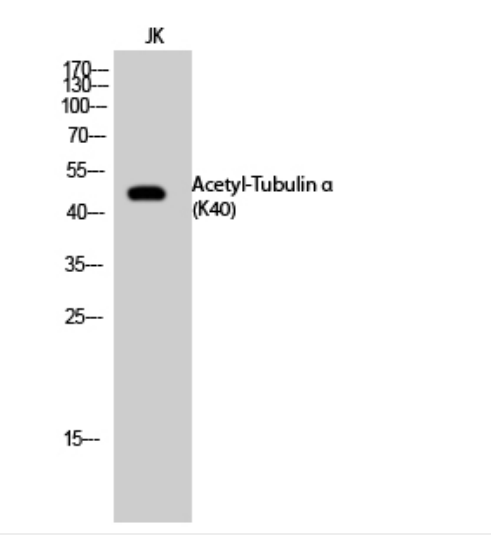
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Tubulin α (Acetyl Lys40) Polyclonal Antibody - Images



Western Blot analysis of Jurkat cells using Acetyl-Tubulin α (K40) Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



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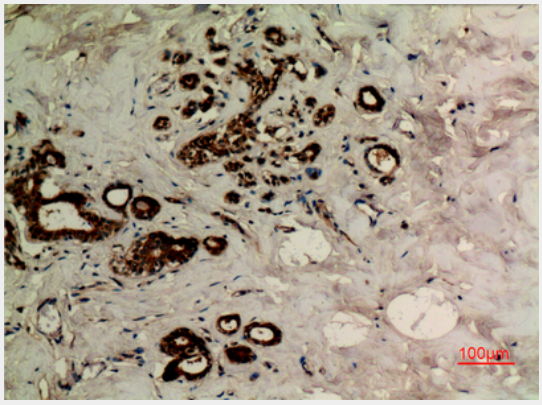
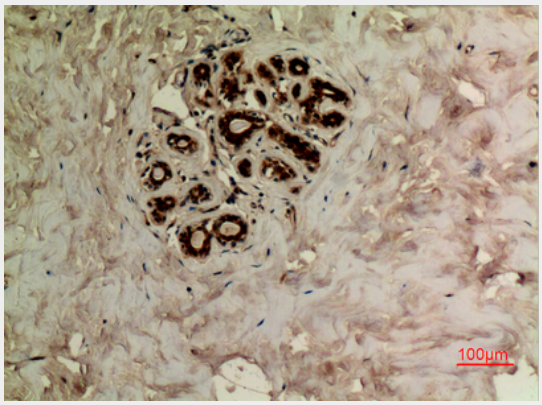
Western Blot analysis of JK cells using Acetyl-Tubulin α (K40) Polyclonal Antibody. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-breast, antibody was diluted at 1:100



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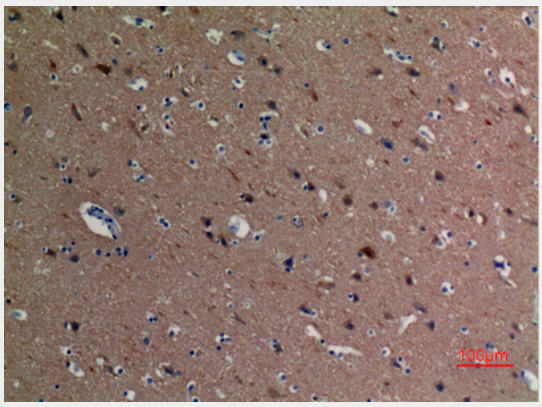

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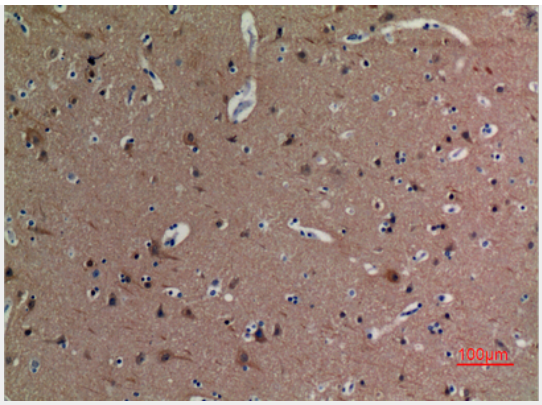

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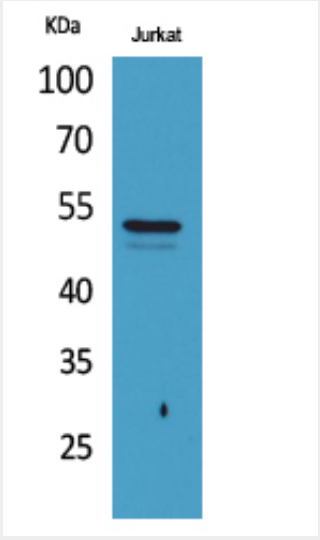

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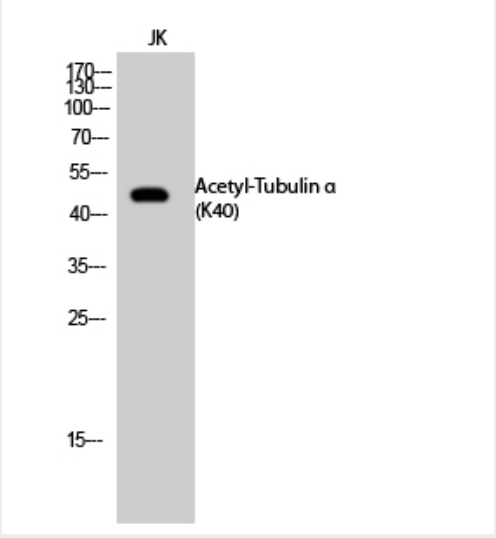

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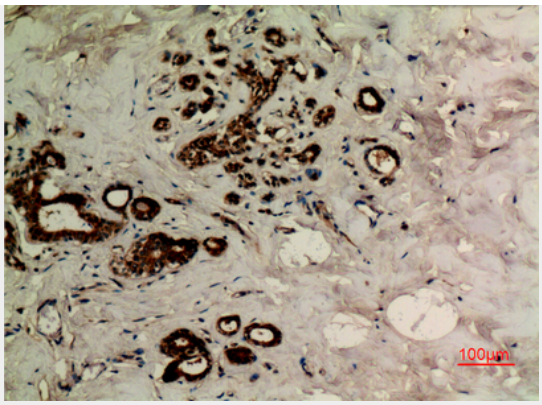

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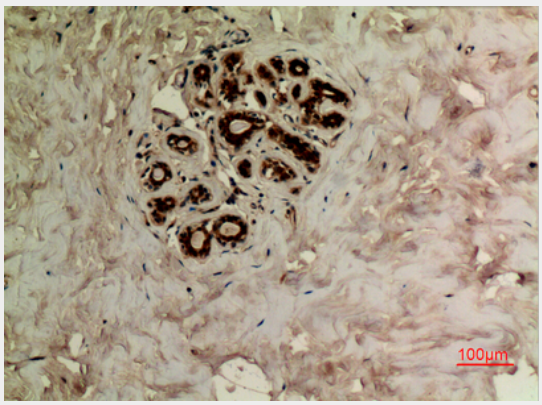

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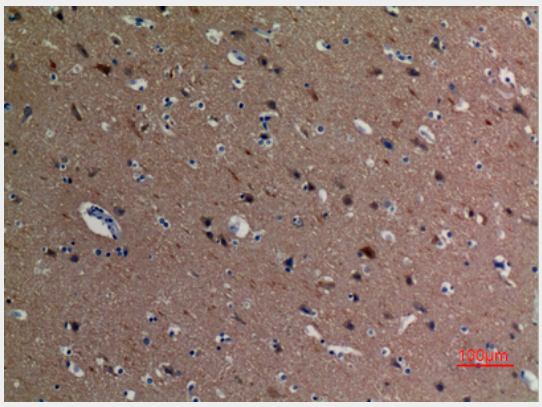

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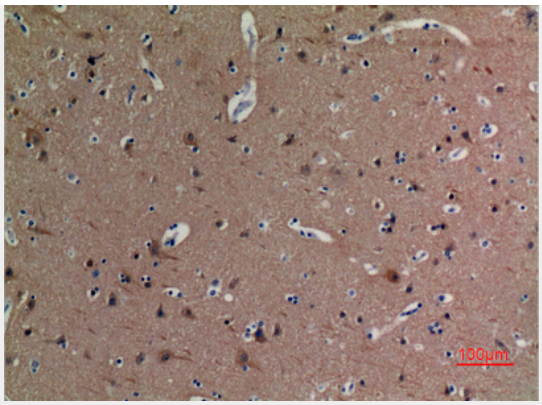

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Tubulin α (Acetyl Lys40) Polyclonal Antibody - Background

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.