Recombinant alpha Tubulin (Acetyl K40) Monoclonal Antibody

catalog number: **AN301410L**

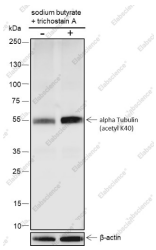
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Acetylated human histone Tubulin (acetyl K40) peptide
Host	Rabbit
Isotype	Rabbit IgG
Clone	C111033
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

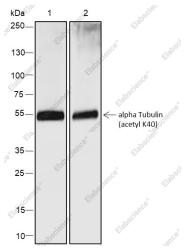
Data



Western Blot with alpha Tubulin (Acetyl K40) Monoclonal Antibody at dilution of 1:1000. (-): MCF-7+serum starvation(14hr), (+): MCF-7+ sodium butyrate (50mM, 24hr) + trichostain A (500ng/ml, 4 hr)

Observed-MW:55 kDa

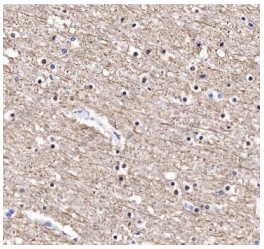
Calculated-MW:50 kDa



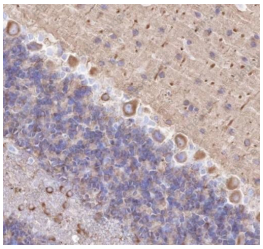
Western Blot with alpha Tubulin (Acetyl K40) Monoclonal Antibody at dilution of 1:6000. Lane 1: Mouse brain, Lane 2: Rat brain

Observed-MW:55 kDa

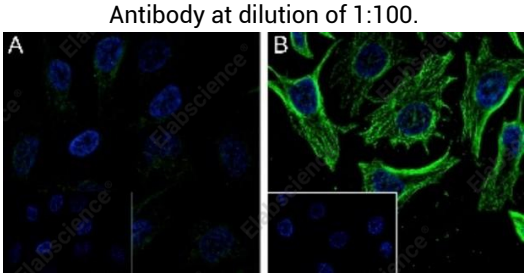
Calculated-MW:50 kDa



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

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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