

bsm-60706R**[Primary Antibody]**

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400-901-9800

Alpha Tubulin (Acetyl-Lys40) Recombinant Rabbit mAb

DATASHEET

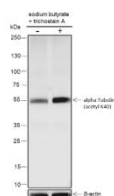
Host: Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** R2A9**GeneID:** 7277**SWISS:** P68366**Target:** Alpha Tubulin (Acetyl-Lys40)**Immunogen:** KLH conjugated synthetic peptide derived from human Alpha Tubulin (Acetyl-Lys40): SD(Ac-K)TI.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

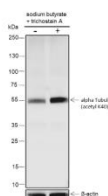
Background: Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are composed of a heterodimer of alpha and beta tubulin. The genes encoding these microtubule constituents are part of the tubulin superfamily, which is composed of six distinct families. Genes from the alpha, beta and gamma tubulin families are found in all eukaryotes. The alpha and beta tubulins represent the major components of microtubules, while gamma tubulin plays a critical role in the nucleation of microtubule assembly. There are multiple alpha and beta tubulin genes and they are highly conserved among and between species. This gene encodes an alpha tubulin that is a highly conserved homolog of a rat testis-specific alpha tubulin. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2013]

Applications: WB (1:1000-4000)**IHC-P** (1:100-500)**IHC-F** (1:50-100)**IF** (1:25)**ICC/IF** (1:25)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 50 kDa**Subcellular Location:** Cytoplasm

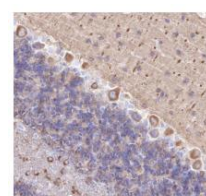
VALIDATION IMAGES



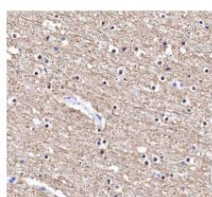
Blocking buffer: 5% NFDM/TBST Primary Ab dilution: 1:6000 Primary Ab incubation condition: 2 hours at room temperature Secondary Ab: Goat Anti-Rabbit IgG H&L (HRP) Lysate: 1: Mouse brain, 2: Rat brain Protein loading quantity: 20 µg Exposure time: 30 s Predicted MW: 50 kDa Observed MW: 55 kDa



Blocking buffer: 5% NFDM/TBST Primary Ab dilution: 1:1000 Primary Ab incubation condition: 2 hours at room temperature Secondary Ab: Goat Anti-Rabbit IgG H&L (HRP) Lysate: (-): MCF-7+serum starvation(14hr), (+): MCF-7+ sodium butyrate (50mM, 24hr) + trichostatin A (500ng/ml, 4 hr) Protein loading quantity: 20 µg Exposure time: 10 s Predicted MW: 50 kDa Observed MW: 55 kDa



Tissue: Rat cerebellum Section type: Formalin-fixed & Paraffin embedded section Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary Ab dilution: 1:100 Primary Ab incubation condition: 1 hour at room temperature Secondary Ab: Anti-Rabbit and Mouse Polymer HRP (Ready to use) Counter stain: Hematoxylin (Blue) Comment: Color brown is the positive signal for bsm-60706R



Tissue: Human cerebrum Section type: Formalin-fixed & Paraffin embedded section

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary Ab dilution: 1:100 Primary Ab incubation condition: 1 hour at room temperature Secondary Ab: Anti-Rabbit and Mouse Polymer HRP (Ready to use) Counter stain: Hematoxylin (Blue) Comment: Color brown is the positive signal for bsm-60706R

— SELECTED CITATIONS

- **[IF=8.2]** Chengmin Feng. et al. Preparation of healing-promoting and fibrosis-inhibiting asymmetric poly(ethylene glycol-b-L-phenylalanine)/cRGD-modified hyaluronate sponges and their applications in hemorrhage and nasal mucosa repair. INT J BIOL MACROMOL. 2024 Feb;258:128911 IF ;Rabbit. 38141717