

[Primary Antibody]

alpha Tubulin Mouse mAb



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— DATASHEET

Host: Mouse

Isotype: IgG

Clonality: Monoclonal

CloneNo.: 10F11

GeneID: 7277

SWISS: P68366

Target: alpha Tubulin

Purification: affinity purified by Protein G

Concentration: 1mg/ml

Storage: Size : 50ul/100ul/200ul
0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Size : 200ug (PBS only)
0.01M PBS
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]

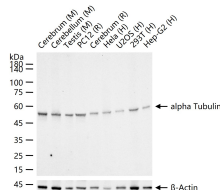
Applications: WB (1:5000-100000)

Reactivity: Human, Mouse, Rat
(predicted: Rabbit, Pig,
Zebrafish, Chicken, Dog,
GuineaPig)

Predicted
MW.: 50 kDa

Subcellular Location: Cytoplasm

— VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with alpha Tubulin monoclonal antibody, unconjugated (bsm-33039M) at 1:10000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

— SELECTED CITATIONS

- **[IF=8.4]** Depeng Fang. et al. ROS-responsive nanocomposite scaffolds for sustained releasing puerarin to achieve chondroprotection in OA rats. MATER DESIGN. 2023 Aug;:112214 IF ;Rat. 10.1016/j.matdes.2023.112214
- **[IF=6.513]** Jinglei Wang. et al. Follicular fluid exosomes regulate OVGP1 secretion in yak oviduct epithelial cells via autophagy in vitro. J CELL PHYSIOL. 2023 Apr;: IF ;Bovine. 37013674
- **[IF=6.7]** Sibao Wang. et al. Design, synthesis and biological evaluation of novel tubulin-targeting agents with a dual-mechanism for polymerization inhibition and protein degradation. EUR J MED CHEM. 2024 Jun;:272:116458 IF ;Human.

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

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- **[IF=5.4]** Junling Gao. et al. Mechanisms underlying the synergistic effects of chuanxiong combined with Chishao on treating acute lung injury based on network pharmacology and molecular docking combined with preclinical evaluation. J ETHNOPHARMACOL. 2024 May;325:117862 WB ;Mouse. 38342157
- **[IF=3.895]** Shen X et al.Retinoic Acid-Induced Protein 14 (RAI14) Promotes mTOR-Mediated Inflammation Under Inflammatory Stress and Chemical Hypoxia in a U87 Glioblastoma Cell Line.(2018) Cell Mol Neurobiol. WB ;Human. 30554401