bs-0159R **[Primary Antibody]**

alpha-Tubulin Rabbit pAb, Loading Control

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DATASHEET

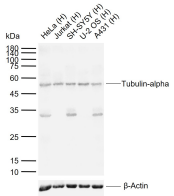
Host: Rabbit
Isotype: IgG
Clonality: Polyclonal
GeneID: 7846
Target: alpha-Tubulin
Immunogen: KLH conjugated synthetic peptide derived from human Tubulin-alpha 1: 375-448/448.
Purification: affinity purified by Protein A
Concentration: 1mg/ml
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1μg/Test)

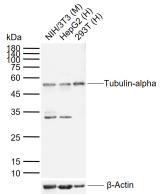
Reactivity: Human, Mouse, Rat (predicted: Sheep, Cow)

Predicted MW.: 50 kDa

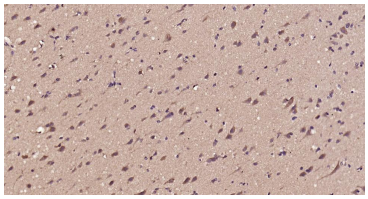
VALIDATION IMAGES



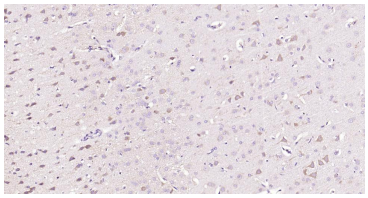
Sample: Lane 1: Human HeLa cell lysates Lane 2: Human Jurkat cell lysates Lane 3: Human SH-SY5Y cell lysates Lane 4: Human U-2 OS cell lysates Lane 5: Human A431 cell lysates Primary: Anti-Tubulin-alpha (bs-0159R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50 kDa Observed band size: 52 kDa



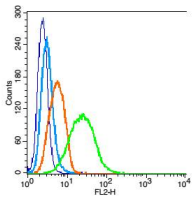
Sample: Lane 1: Mouse NIH/3T3 cell lysates Lane 2: Human HepG2 cell lysates Lane 3: Human 293T cell lysates Primary: Anti-Tubulin-alpha (bs-0159R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50 kDa Observed band size: 52 kDa



Paraformaldehyde-fixed, paraffin embedded Human Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Tubulin-alpha Polyclonal Antibody, Unconjugated (bs-0159R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Tubulin-alpha Polyclonal Antibody, Unconjugated (bs-0159R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Blank control: RSC96 Cells (blue). Primary Antibody:Rabbit Anti- Tubulin-alpha 1 antibody(bs-0159R), Dilution: 1μg in 100 μL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions); Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA. Protocol The cells were fixed with 2% paraformaldehyde (10 min) , then permeabilized with 90% ice-cold methanol for 30 min on ice. Primary antibody (bs-0159R,1μg /1x10^6 cells) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 1 0% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer

mentioned above to react with the primary antibody at 1/200 dilution for 30 min on ice. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=19]** Minghui Hu. et al. Double Self-Amplified Programmable Allosteric DNA Nanomachine for Enzymatically Triggered Spatially Controllable Molecular Imaging. ADV FUNCT MATER. 2025 May;:2501940 WB ;Human. 10.1002/adfm.202501940
- **[IF=9.995]** Meiting Li. et al. Acetylation of p62 regulates base excision repair through interaction with APE1. CELL REP. 2022 Jul;40:111116 WB ;Human. 35858573
- **[IF=8.713]** Zhao-Bo Luo. et al. Fecal transplant from myostatin deletion pigs positively impacts the gut-muscle axis. ELIFE. 2023; 12: e81858 WB ;Mouse. 37039469
- **[IF=6.208]** Jiashuang Li. et al. Overexpression of Ultrabithorax Changes the Development of Silk Gland and the Expression of Fibroin Genes in Bombyx mori. INT J MOL SCI. 2023 Jan;24(7):6670 WB ;Bombyx mori. 37047645
- **[IF=5.3]** Juan Wang. et al. A novel autosomal dominant ERLIN2 variant activates endoplasmic reticulum stress in a Chinese HSP family. ANN CLIN TRANSL NEUR. 2023 Sep;: WB ;Human. 37752894