

**bs-2539R****[ Primary Antibody ]**

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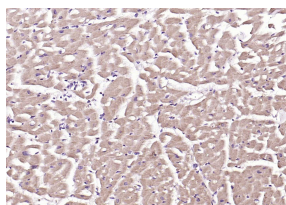
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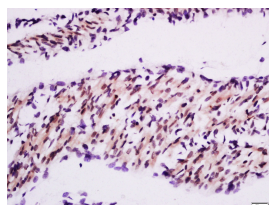
400-901-9800

**MuRF1 Rabbit pAb****— DATASHEET —**

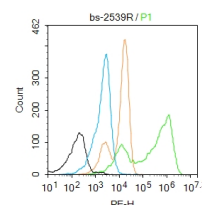
<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 84676 <b>Target:</b> MuRF1 <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human MuRF1: 251-353/353. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. <b>Background:</b> This gene encodes a member of the RING zinc finger protein family found in striated muscle and iris. The product of this gene is localized to the Z-line and M-line lattices of myofibrils, where titin's N-terminal and C-terminal regions respectively bind to the sarcomere. In vitro binding studies have shown that this protein also binds directly to titin near the region of titin containing kinase activity. Another member of this protein family binds to microtubules. Since these family members can form heterodimers, this suggests that these proteins may serve as a link between titin kinase and microtubule-dependent signal pathways in muscle. [provided by RefSeq].	<b>Isotype:</b> IgG <b>SWISS:</b> Q969Q1	<b>Applications:</b> IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (2ug/Test) <b>Reactivity:</b> Human, Mouse (predicted: Rat, Rabbit, Pig, Cow, Horse) <b>Predicted MW.:</b> 39 kDa <b>Subcellular Location:</b> Cytoplasm ,Nucleus
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**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (human heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (MuRF1) Polyclonal Antibody, Unconjugated (bs-2539R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: mouse embryos tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-MuRF1 Polyclonal Antibody, Unconjugated (bs-2539R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



Blank control: K562. Primary Antibody (green line): Rabbit Anti-MuRF1 antibody (bs-2539R) Dilution: 2μg / 10<sup>6</sup> cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE Dilution: 1μg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

**— SELECTED CITATIONS —**

- **[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=7.971]** Dvir Netanel. et al. Classification of node-positive melanomas into prognostic subgroups using keratin,

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- immune, and melanogenesis expression patterns. *Oncogene*. 2021 Feb;;1-14 IHC ;Human. 33564068
- **[IF=6.7]** Manying Wang. et al. 20(S)-ginsenoside Rg3 protects against diabetic muscle atrophy by promoting myoblastic differentiation and protecting mitochondrial function. *PHYTOMEDICINE*. 2024 Aug;;155964 WB ;Mouse. 39168012
  - **[IF=6.228]** Xuzhu Lin. et al. Undercarboxylated osteocalcin and ibandronate combination ameliorates hindlimb immobilization-induced muscle wasting. *J PHYSIOL-LONDON*. 2023 Apr;; WB ;Human. 36999349
  - **[IF=5.719]** Piao Wang. et al. Monotropein Improves Dexamethasone-Induced Muscle Atrophy via the AKT/mTOR/FOXO3a Signaling Pathways. *NUTRIENTS*. 2022 Jan;14(9):1859 WB ;Mouse. 35565825