

Anti-TRIM63 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Pig, Cow, Horse, Rabbit)
Molecular Weight:	Theoretical: 39 kDa.
Purification:	Protein A purified

Applications

1. Tissue/cell: mouse embryos tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;

Incubation: Anti-MuRF1 Polyclonal Antibody, Unconjugated (TMAB-01897) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

2. Blank control: K562. Primary Antibody (green line): Rabbit Anti-MuRF1 antibody (TMAB-01897)

Dilution: 2 µg/10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG.

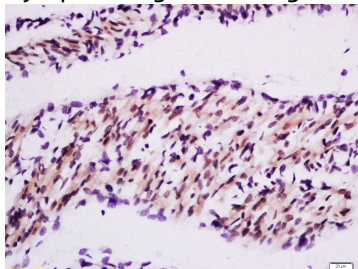
Secondary Antibody: Goat anti-rabbit IgG-PE

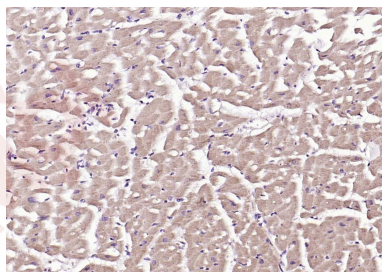
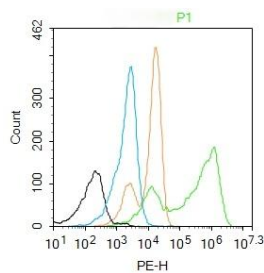
Verified Activity: Dilution: 1 µg/test.

Protocol

The cells were fixed with 4% PFA (10 min 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.

3. Paraformaldehyde-fixed, paraffin embedded (human heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (MuRF1) Polyclonal Antibody, Unconjugated (TMAB-01897) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.





Application: FCM,IF,IHC-Fr,IHC-P

Recommended IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 2ug/Test

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human MuRF1

Antigen Species: Human

Gene ID: 84676

Uniprot ID: Q969Q1

Synonyms: RING finger protein 28;TRIM63;RING-type E3 ubiquitin transferase TRIM63;RNF28;Striated muscle RING zinc finger protein;E3 ubiquitin-protein ligase TRIM63;Muscle-specific RING finger protein 1 (MuRF-1;MuRF1);Iris RING finger protein;MURF1;IRF;Tripartite motif-containing protein 63;SMRZ

Biology Area: Myosins,Troponin,Hypertrophy,RING Finger E3 Ligase,Ubiquitin ligases,E3 Ubiquitin Ligases

Research Background

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].

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