

Anti-myosin light chain 3 Antibody (3M242)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Clone:	3M242
Purification:	Protein A purified

Applications

- 1. Cell line: U-2 OS**
Fixative: 4% Paraformaldehyde
Permeabilization: 90% methanol
Primary ab dilution: 1:100
Secondary ab: Goat anti Rabbit IgG
Unlabelled control: The cell without incubation with primary antibody and secondary antibody (Black line).
Isotype control: Rabbit monoclonal IgG (Blue line).
Comment: Line red is the positive signal for TMAB-09182
- 2. Tissue: Rat cardiac muscle**
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: 1:1000
Primary ab incubation condition: 1 hour at room temperature
Secondary ab: SP Kit (Rabbit)
Counter stain: Hematoxylin (Blue)
Comment: Color brown is the positive signal for TMAB-09182
- 3. Tissue: Mouse skeletal muscle**
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: 1:1000
Primary ab incubation condition: 1 hour at room temperature
Secondary ab: SP Kit (Rabbit)
Counter stain: Hematoxylin (Blue)
Comment: Color brown is the positive signal for TMAB-09182
- 4. Tissue: Human skeletal muscle**
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: 1:1000
Primary ab incubation condition: 1 hour at room temperature
Secondary ab: SP Kit (Rabbit)
Counter stain: Hematoxylin (Blue)
Comment: Color brown is the positive signal for TMAB-09182
- 5. Tissue: Mouse cardiac muscle**
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: 1:1000
Primary ab incubation condition: 1 hour at room temperature

Verified Activity:

Secondary ab: SP Kit (Rabbit)
Counter stain: Hematoxylin (Blue)
Comment: Color brown is the positive signal for TMAB-09182
6. Tissue: Rat skeletal muscle
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: 1:1000
Primary ab incubation condition: 1 hour at room temperature
Secondary ab: SP Kit (Rabbit)
Counter stain: Hematoxylin (Blue)
Comment: Color brown is the positive signal for TMAB-09182
7. Blocking buffer: 5% NFDN/TBST
Primary ab dilution: 1: 2000
Primary ab incubation condition: 2 hours at room temperature
Secondary ab: Goat Anti-Rabbit IgG H&L (HRP)
Lysate: Mouse heart, Rat heart
Protein loading quantity: 20 µg
Exposure time: 10 s
Predicted MW: 22 kDa
Observed MW: 22 kDa

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

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1:50-100

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Gene ID: 4634

Research Background

Myosin is the major component of thick muscle filaments, and is a long asymmetric molecule containing a globular head and a long tail. The molecule consists of two heavy chains each ~200,000 daltons, and four light chains each ~16,000 - 21,000 daltons. Activation of smooth and cardiac muscle primarily involves pathways which increase calcium and myosin phosphorylation resulting in contraction. Myosin light chain phosphatase acts to regulate muscle contraction by dephosphorylating activated myosin light chain. Human myosin light chain has clinical application as a cardiac marker.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481
