



TRI63 Monoclonal Antibody

Catalog No	YP-mAb-05564
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	TRIM63 IRF MURF1 RNF28 SMRZ
Protein Name	E3 ubiquitin-protein ligase TRIM63 (EC 6.3.2.-) (Iris RING finger protein) (Muscle-specific RING finger protein 1) (MuRF-1) (MuRF1) (RING finger protein 28) (Striated muscle RING zinc finger protein)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	TRI63 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	38kD
Cell Pathway	Cytoplasm. Nucleus . Cytoplasm, myofibril, sarcomere, M line. Cytoplasm, myofibril, sarcomere, Z line. Colocalizes with TNNI3 in myocytes (By similarity). Localizes to the M- and Z-lines in skeletal muscle. .
Tissue Specificity	Muscle specific. Selectively expressed in heart and skeletal muscle. Also expressed in the iris.
Function	caution:It is uncertain whether Met-1 or Met-14 is the initiator.,developmental stage:Expressed throughout all developmental stages.,domain:The RING-type zinc finger mediates interaction with SUMO2 and localization to the nucleus. Also required for the E3 ubiquitin ligase activity.,function:E3 ubiquitin ligase. Regulates proteasomal degradation of cardiac troponin I/TNNI3 and probably of other sarcomeric-associated proteins. May play a role in striated muscle atrophy and hypertrophy by regulating an anti-hypertrophic PKC-mediated signaling pathway. May regulate the organization of myofibrils through TTN in muscle cells.,pathway:Protein modification; protein ubiquitination.,sequence caution:Sequencing errors.,similarity:Contains 1 B box-type zinc finger.,similarity:Contains 1 COS domain.,similarity:Contains 1 RING-type zinc finger.,subcellular location:Localizes to the M- and Z-lines in s



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 an E3 ubiquitin ligase that localizes to the Z-line and M-line lattices of myofibrils. This protein plays an important role in the atrophy of skeletal and cardiac muscle and is required for the degradation of myosin heavy chain proteins, myosin light chain, myosin binding protein, and for muscle-type creatine kinase. [provided by RefSeq, Feb 2012],

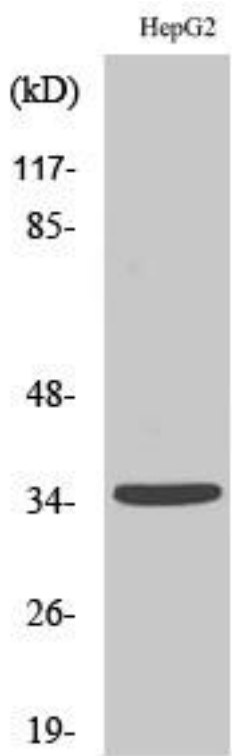
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using TRI63 Monoclonal Antibody