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TRIM63 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12269

Specification

TRIM63 antibody - middle region - Product Information

Application	**WB**
Primary Accession	Q969Q1
Other Accession	NM_032588, NP_115977
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**40kDa KDa**

TRIM63 antibody - middle region - Additional Information

Gene ID 84676

Alias Symbol	**FLJ32380, IRF, MURF1, MURF2, RNF28, SMRZ**

Other Names
E3 ubiquitin-protein ligase TRIM63, 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, Tripartite motif-containing protein 63, TRIM63, IRF, MURF1, RNF28, SMRZ

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-TRIM63 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
TRIM63 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

TRIM63 antibody - middle region - Protein Information

Name TRIM63

Synonyms IRF, MURF1, RNF28, SMRZ

Function
E3 ubiquitin ligase. Mediates the ubiquitination and subsequent proteasomal degradation of CKM, GMEB1 and HIBADH. Regulates the proteasomal degradation of muscle proteins under amino acid

starvation, where muscle protein is catabolized to provide other organs with amino acids. Inhibits de novo skeletal muscle protein synthesis under amino acid starvation. 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.

Cellular Location
Cytoplasm. Nucleus. Cytoplasm, myofibril, sarcomere, M line. Cytoplasm, myofibril, sarcomere, Z line Note=Colocalizes with TNNI3 in myocytes (By similarity). Localizes to the M- and Z-lines in skeletal muscle.

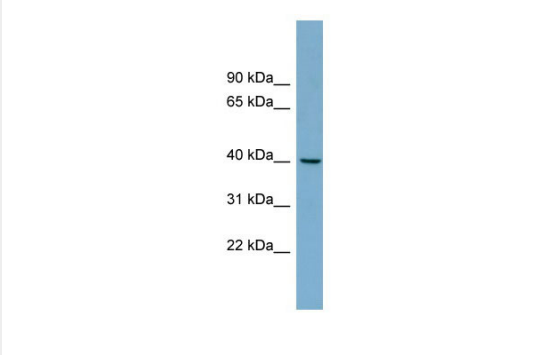
Tissue Location
Muscle specific. Selectively expressed in heart and skeletal muscle. Also expressed in the iris

TRIM63 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TRIM63 antibody - middle region - Images



WB Suggested Anti-TRIM63 Antibody Titration: 0.2-1 µg/ml
Positive Control: THP-1 cell lysate