

MURF1 / TRIM63 (internal) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2476a

Specification

MURF1 / TRIM63 (internal) Antibody (internal region) - Product Information

Application	E
Primary Accession	O96901
Other Accession	NP_115977.2 , 84676
Predicted	Human, Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	40248

MURF1 / TRIM63 (internal) Antibody (internal region) - Additional Information

Gene ID 84676

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

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MURF1 / TRIM63 (internal) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

MURF1 / TRIM63 (internal) Antibody (internal 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

MURF1 / TRIM63 (internal) Antibody (internal 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 Cytometry](#)
- [Cell Culture](#)

MURF1 / TRIM63 (internal) Antibody (internal region) - Images**MURF1 / TRIM63 (internal) Antibody (internal region) - References**

Ubiquitin-protein ligases in muscle wasting. Cao PR, Kim HJ, Lecker SH. Int J Biochem Cell Biol. 2005 Oct;37(10):2088-97. Epub 2004 Dec 14. PMID: 16125112