

Rabbit TRIM63 Polyclonal Antibody | anti-TRIM63 antibody

TRIM63 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326912	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

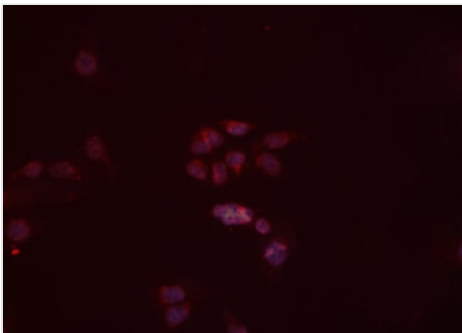
PRODUCT SYNONYMS

TRIM63; Polyclonal Antibody; TRIM63 Antibody; E3 ubiquitin-protein ligase TRIM63; FLJ32380; IRF; Iris RING finger protein; MURF 1; MURF-1; MuRF1; MURF2; Muscle specific ring finger protein 1; Muscle specific ring finger protein 2; Muscle-specific RING finger protein 1; OTTHUMP00000008701; RING finger protein 28; RNF 28; RNF28; SMRZ; Striated muscle RING zinc finger protein; TRI63_HUMAN; TRIM 63; Trim63; Tripartite motif containing 63; tripartite motif containing 63; E3 ubiquitin protein ligase; Tripartite motif containing protein 63; Tripartite motif-containing protein 63; Ubiquitin ligase TRIM63; anti-TRIM63 antibody

PRODUCT SPECIFICATIONS

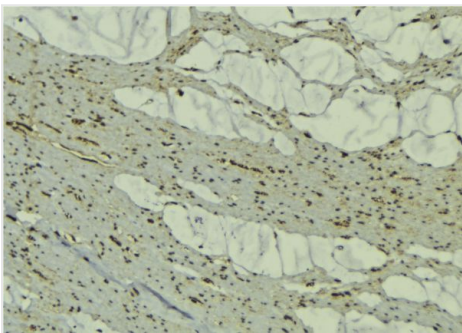
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TRIM63 antibody detects endogenous levels of total TRIM63
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	353
Applicable Applications for anti-TRIM63 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human TRIM63
Subcellular Location	Cytoplasm. Nucleus. Localizes to the M-and Z-lines in skeletal muscle. Colocalizes with TNNI3 in myocytes.
Tissue Specificity	Muscle specific. Selectively expressed in heart and skeletal muscle. Also expressed in the iris.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (82%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



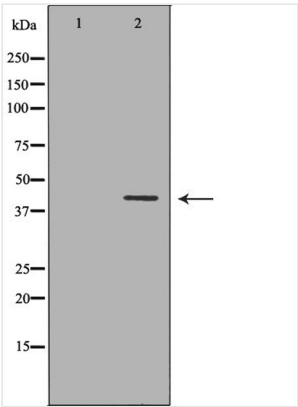
IF (Immunofluorescence)

AAA326912 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600 was used as secondary antibody.



IHC (Immunohistochemistry)

AAA326912 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts of mouse fetal muscle, using TRIM63antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-TRIM63 antibody

Description: 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. 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. Subunit Structure: Homodimer. Homooligomer and heterooligomer. Interacts with SUMO2, titin/TTN and GMEB1. Interacts with TRIM54 and probably with TRIM55 and TNNI3. Forms a ternary complex with RACK1 and PRKCE (By similarity). Interacts with CKM. Similarity: The RING-type zinc finger mediates interaction with SUMO2 and localization to the nucleus. Also required for the E3 ubiquitin ligase activity (By similarity).The B box-type zinc finger mediates homodimerization.

NCBI AND UNIPROT INFORMATION

NCBI GI #	19924163
NCBI GeneID	84676
NCBI Accession #	NP_115977.2

NCBI GenBank Nucleotide #	NM_032588.3
UniProt Accession #	Q969Q1; Q5T2I1; Q96BD3; Q96KD9; Q9BYV4; B4DN95
Molecular Weight	Observed: 40 kDa Predicted: 41 kDa
NCBI Official Full Name	E3 ubiquitin-protein ligase TRIM63
NCBI Official Synonym Full Names	tripartite motif containing 63
NCBI Official Symbol	TRIM63
NCBI Official Synonym Symbols	IRF; SMRZ; MURF1; MURF2; RNF28
NCBI Protein Information	E3 ubiquitin-protein ligase TRIM63
UniProt Protein Name	E3 ubiquitin-protein ligase TRIM63
UniProt Gene Name	TRIM63
UniProt Synonym Gene Names	IRF; MURF1; RNF28; SMRZ; MuRF-1; MuRF1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/trim63-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326912>