Anti-TRI63 antibody

Description	Unconjugated Rabbit polyclonal to TRI63

Model	STJ190795
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Gene ID	84676
Gene Symbol	TRIM63
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	TRI63 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Muscle specific. Selectively expressed in heart and skeletal muscle. Also expressed in the iris.
Purification	TRI63 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	E3 ubiquitin-protein ligase TRIM63 Iris RING finger protein Muscle-specific RING finger protein 1 MuRF-1 MuRF1 RING finger protein 28 RING-type E3 ubiquitin transferase TRIM63 Striated muscle RING zinc finger prot
Molecular Weight	38 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol,and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:16007OMIM:606131
Alternative Names	E3 ubiquitin-protein ligase TRIM63 Iris RING finger protein Muscle-specific RING finger protein 1 MuRF-1 MuRF1 RING finger protein 28 RING-type E3 ubiquitin transferase TRIM63 Striated muscle RING zinc finger prot
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.
Sequence and Domain Family	The RING-type zinc finger mediates interaction with SUMO2 and localization to the nucleus. Also required for the E3 ubiquitin ligase activity . The B box-type zinc finger mediates homodimerization.
Cellular Localization	Cytoplasm. Nucleus Cytoplasm, myofibril, sarcomere, M line. Cytoplasm, myofibril, sarcomere, Z line. Colocalizes with TNNI3 in myocytes . Localizes to the M- and Z-lines in skeletal muscle.