

Rabbit anti-Human MuRF1/TRIM63 Polyclonal Antibody | anti-TRIM63 antibody

Anti-MuRF1/TRIM63 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254317	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Western Blot

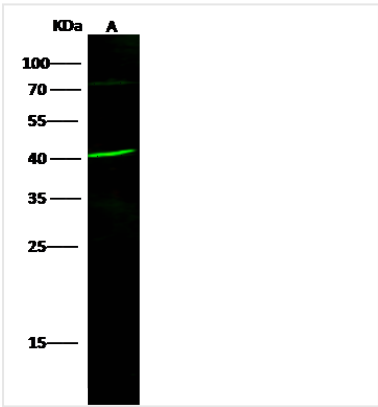
PRODUCT SYNONYMS

MuRF1/TRIM63; Polyclonal Antibody; Anti-MuRF1/TRIM63 Antibody; Rabbit Polyclonal; TRIM63 Antibody; Rabbit PAb; Antigen Affinity Purified; tripartite motif containing 63; E3 ubiquitin protein ligase; Anti-IRF Antibody; Anti-MURF1 Antibody; Anti-MURF2 Antibody; Anti-RNF28 Antibody; Anti-SMRZ Antibody; anti-TRIM63 antibody

PRODUCT SPECIFICATIONS

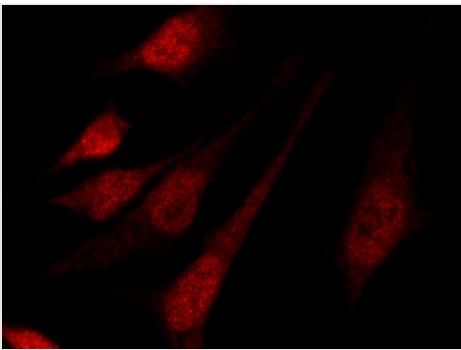
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human TRIM63
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-TRIM63 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the N-terminus of the human TRIM63
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the human TRIM63, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-TRIM63 rabbit polyclonal antibody at 1:500 dilutionLane A: NIH3T3 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:40 kDaObserved band size:40 kDa



IF (Immunofluorescence)

Immunofluorescence staining of TRIM63 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS,blocked with 10% serum, and incubated with rabbit anti-human TRIM63 polyclonal antibody (dilution ratio 1:5000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor594-conjugated Goat Anti-rabbit IgG secondary antibody (red)Positive staining was localized to cytoplasm and nucleus.

ADDITIONAL INFORMATION

Related Product Information for anti-TRIM63 antibody

TRIM63, also called muscle-specific ring finger protein 1 (MuRF1), was reported to be an E3 ubiquitin ligase expressed mainly in muscular tissue. SaOS2 cells overexpressing exogenous TRIM63 showed increased expression of an osteoblastic differentiation marker gene, alkaline phosphatase, with reduced proliferation. That TRIM63 is a candidate for genes mediating the glucocorticoid-induced promotion of osteoblastic differentiation. TRIM63 encoding Muscle RING Finger 1 (MuRF1) maintains muscle protein homeostasis by tagging the sarcomere proteins with ubiquitin for subsequent degradation by the ubiquitin-proteasome system (UPS).

NCBI AND UNIPROT INFORMATION

NCBI GI #	21362898
NCBI GeneID	84676
UniProt Accession #	Q969Q1; Q5T2I1; Q96BD3; Q96KD9; Q9BYV4; B4DN95
Molecular Weight	353
NCBI Official Full Name	E3 ubiquitin-protein ligase TRIM63
NCBI Official Synonym Full Names	tripartite motif containing 63, E3 ubiquitin protein ligase
NCBI Official Symbol	TRIM63
NCBI Official Synonym Symbols	IRF; SMRZ; MURF1; MURF2; RNF28
NCBI Protein Information	E3 ubiquitin-protein ligase TRIM63; ring finger protein 28; iris ring finger protein; muscle specific ring finger protein 2; muscle-specific RING finger protein 1; tripartite motif-containing protein 63; striated muscle RING zinc finger protein
UniProt Protein Name	E3 ubiquitin-protein ligase TRIM63
UniProt Gene Name	TRIM63
UniProt Synonym Gene Names	IRF; MURF1; RNF28; SMRZ; MuRF-1; MuRF1
UniProt Entry Name	TRI63_HUMAN

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.