

Mouse anti-Human MuRF1 Monoclonal Antibody | anti-MuRF1 antibody

MuRF1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312033	Mouse	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, Immunocytochemistry

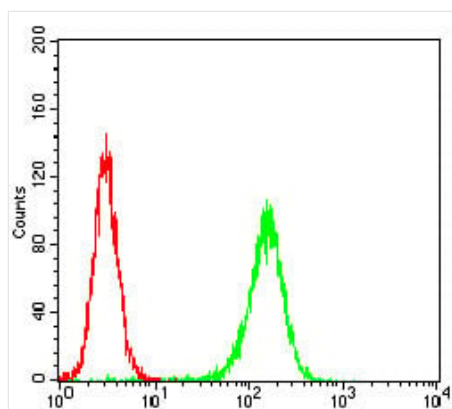
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

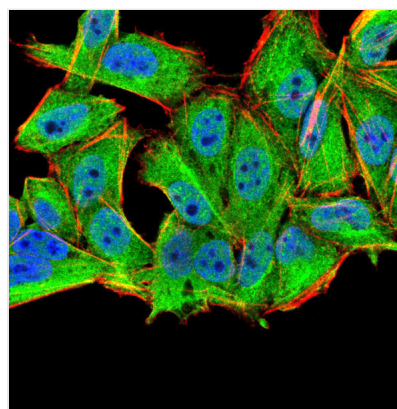
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Clone Number	B8-E1
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-MuRF1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ICC (Immunocytochemistry)
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



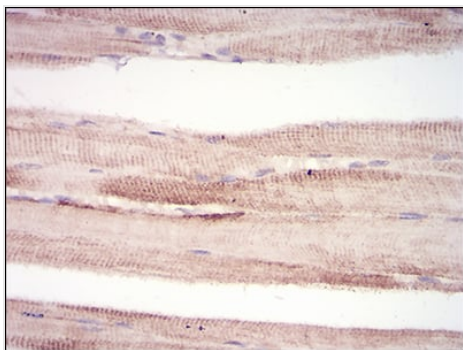
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of HeLa cells with MuRF1 antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).



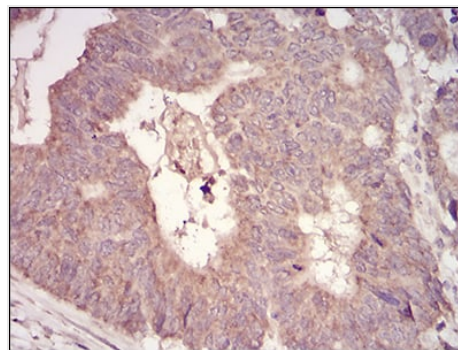
ICC (Immunocytochemistry)

ICC staining MuRF1 (green) and Actin filaments (red) in HeLa cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human muscle tissues using anti-MuRF1 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using anti-MuRF1 antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-MuRF1 antibody	Muscle specific RING finger protein (MuRF1) is a sarcomere-associated protein that is upregulated by conditions that provoke atrophy. Pharmacological or genetic inhibition of the IKKbeta/NF-kappaB/MuRF1 pathway reverses muscle atrophy, which presents MuRF as a target for clinical intervention. MuRF1 is a key regulator of the PKC-dependent hypertrophic response and can blunt cardiomyocyte hypertrophy, which may have important implications in the pathophysiology of clinical cardiac hypertrophy. MuRF1 directly associates with Titin kinase and influences microtubule-dependent signaling pathways in striated muscle and iris. MuRF1 upregulation is an indicator for skeletal muscle atrophy mechanisms that utilize ubiquitin-dependent proteolysis. MuRF1 transcript levels are high in situations where there is an overabundance of reactive oxygen species, such as cancer, AIDS and sepsis.
Product Categories/Family for anti-MuRF1 antibody	Total protein Ab

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/murf1-antibody-clone-b8-e1-flow-cytometry-immunohistochemistry-immunocytochemistry-elisa/312033>