

MuRF1 Antibody

Catalog No: #48394



Package Size: #48394-1 50ul #48394-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

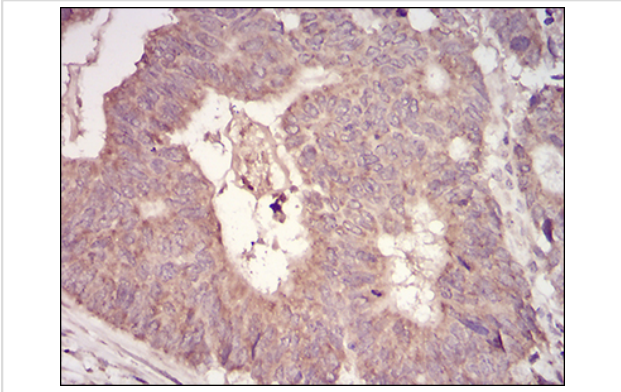
Description

Product Name	MuRF1 Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	B8-E1
Purification	ProA affinity purified
Applications	ICC, IHC, FC
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	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
Accession No.	Swiss-Prot#:Q969Q1
Uniprot	Q969Q1
GeneID	84676;
Calculated MW	40 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

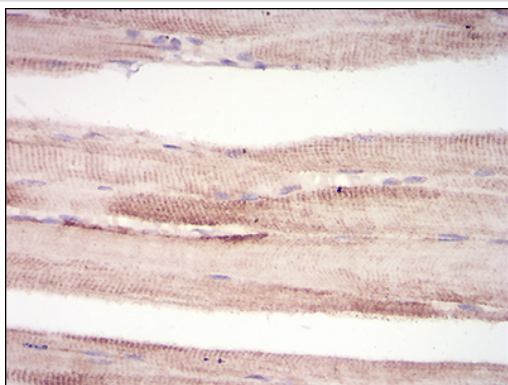
Application Details

IHC: 1:50-1:200 ICC: 1:50-1:200 FC: 1:50-1:100

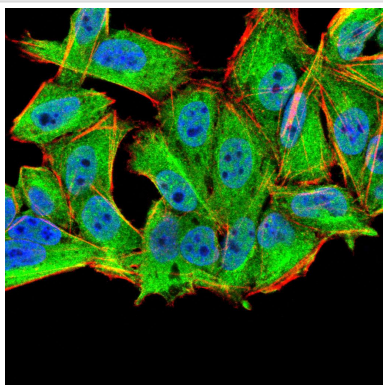
Images



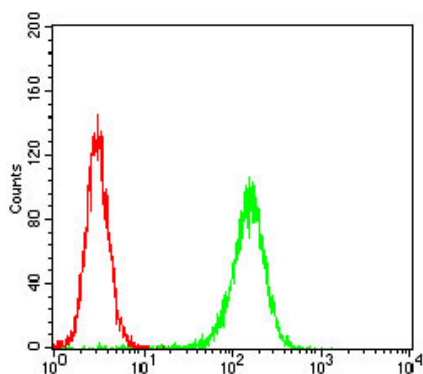
Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using anti-MuRF1 antibody. Counter stained with hematoxylin.



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



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



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).

## Background

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 IKK $\beta$ /NF- $\kappa$ B/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.

## References

Note: This product is for in vitro research use only