

Anti-TRIM63 Antibody (5C208)

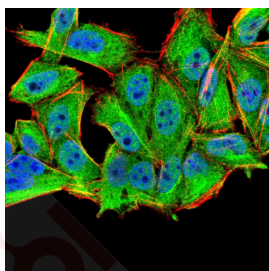
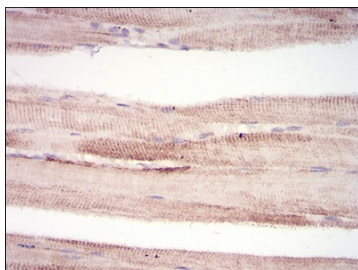
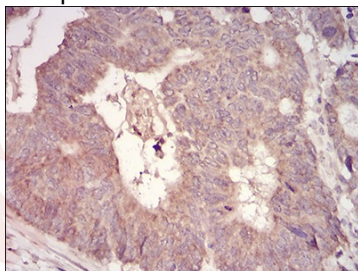
Product Details

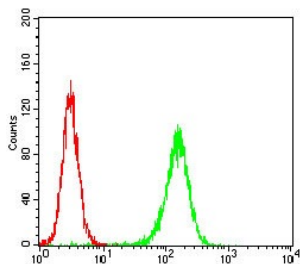
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 40 kDa.
Clone:	5C208
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using anti-MuRF1 antibody. Counter stained with hematoxylin.
2. Immunohistochemical analysis of paraffin-embedded human muscle tissues using anti-MuRF1 antibody. Counter stained with hematoxylin.
3. 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.
4. 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).





Application: FCM,ICC,IHC

Recommended IHC: 1:50-200; ICC: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: Q969Q1

Synonyms: RNF 28;SMRZ;MuRF1);MuRF1;E3 ubiquitin-protein ligase TRIM63;Muscle-specific RING finger protein 1 (MuRF-1;Tripartite motif-containing protein 63;Iris RING finger protein;Striated muscle RING zinc finger protein;RING-type E3 ubiquitin transferase TRIM63;TRIM 63;IRF

Research 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 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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