

TRIM63 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant TRIM63.****Catalog # AT4361a****Specification**

TRIM63 Antibody (monoclonal) (M01) - Product Information

Application	IF, WB, E
Primary Accession	O969Q1
Other Accession	NM_032588
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	40248

TRIM63 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 84676**Other Names**

E3 ubiquitin-protein ligase TRIM63, 632-, Iris RING finger protein, Muscle-specific RING finger protein 1, MuRF-1, MuRF1, RING finger protein 28, Striated muscle RING zinc finger protein, Tripartite motif-containing protein 63, TRIM63, IRF, MURF1, RNF28, SMRZ

Target/Specificity

TRIM63 (NP_115977, 254 a.a. ~ 352 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

TRIM63 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

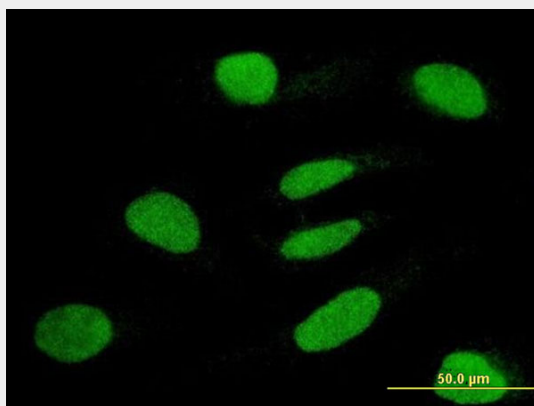
TRIM63 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

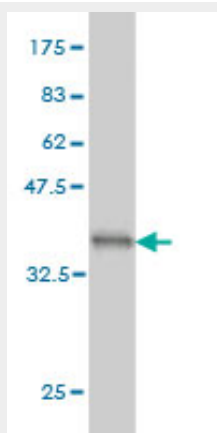
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

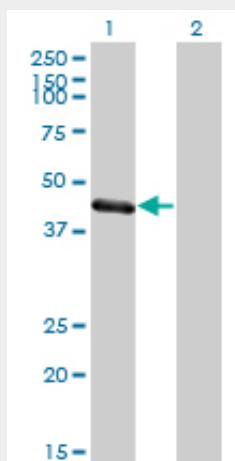
TRIM63 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to TRIM63 on HeLa cell . [antibody concentration 10 ug/ml]



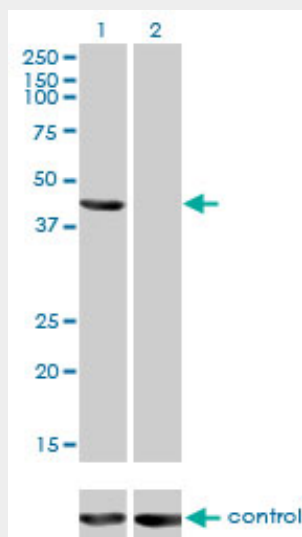
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .



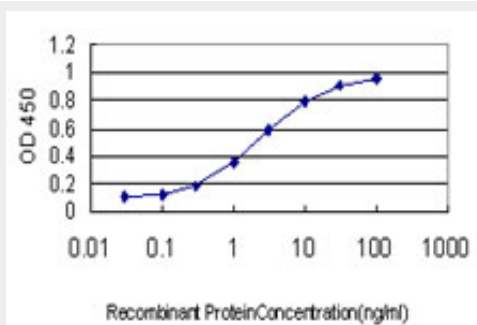
Western Blot analysis of TRIM63 expression in transfected 293T cell line by TRIM63 monoclonal antibody (M01), clone 6G6.

Lane 1: TRIM63 transfected lysate(40.2 KDa).

Lane 2: Non-transfected lysate.



Western blot analysis of TRIM63 over-expressed 293 cell line, cotransfected with TRIM63 Validated Chimera RNAi (Cat # AT4361a)



Detection limit for recombinant GST tagged TRIM63 is approximately 0.1ng/ml as a capture antibody.

TRIM63 Antibody (monoclonal) (M01) - Background

This gene encodes a member of the RING zinc finger protein family found in striated muscle and iris. The product of this gene is localized to the Z-line and M-line lattices of myofibrils, where titin's N-terminal and C-terminal regions respectively bind to the sarcomere. In vitro binding studies have shown that this protein also binds directly to titin near the region of titin containing kinase activity. Another member of this protein family binds to microtubules. Since these family members can form heterodimers, this suggests that these proteins may serve as a link between titin kinase and microtubule-dependent signal pathways in muscle.

TRIM63 Antibody (monoclonal) (M01) - References

Depressed expression of MuRF1 and MAFbx in areas remote of recent myocardial infarction: a mechanism contributing to myocardial remodeling? Conraads VM, et al. Basic Res Cardiol, 2010 Mar. PMID 19859778. Atrogin-1 and MuRF1 regulate cardiac MyBP-C levels via different mechanisms. Mearini G, et al. Cardiovasc Res, 2010 Jan 15. PMID 19850579. Atrogin-1, MuRF1, and

FoXO, as well as phosphorylated GSK-3beta and 4E-BP1 are reduced in skeletal muscle of chronic spinal cord-injured patients. L?ger B, et al. Muscle Nerve, 2009 Jul. PMID 19533653. Structural analysis of B-Box 2 from MuRF1: identification of a novel self-association pattern in a RING-like fold. Mrosek M, et al. Biochemistry, 2008 Oct 7. PMID 18795805. The glucocorticoid receptor and FOXO1 synergistically activate the skeletal muscle atrophy-associated MuRF1 gene. Waddell DS, et al. Am J Physiol Endocrinol Metab, 2008 Oct. PMID 18612045.