

**Goat Anti-MURF3 / TRIM54 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1698a****Specification**

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**Goat Anti-MURF3 / TRIM54 Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">Q9BYV2</a>
Other Accession	<a href="#">NP_912730</a> , <a href="#">57159</a>
Reactivity	Human
Predicted	Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	40301

**Goat Anti-MURF3 / TRIM54 Antibody - Additional Information****Gene ID** 57159**Other Names**

Tripartite motif-containing protein 54, Muscle-specific RING finger protein, MuRF, Muscle-specific RING finger protein 3, MuRF-3, MuRF3, RING finger protein 30, TRIM54, MURF, MURF3, RNF30

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-MURF3 / TRIM54 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-MURF3 / TRIM54 Antibody - Protein Information****Name** TRIM54**Synonyms** MURF, MURF3, RNF30

**Function**

May bind and stabilize microtubules during myotubes formation.

**Cellular Location**

Cytoplasm, cytoskeleton. Cytoplasm, myofibril, sarcomere, Z line. Note=Associates with microtubules. Localizes to the Z-lines in skeletal muscles (By similarity).

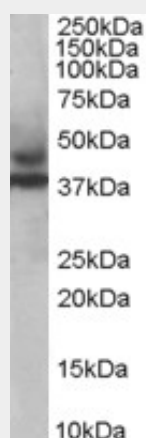
**Tissue Location**

Specifically expressed in heart and skeletal muscle.

**Goat Anti-MURF3 / TRIM54 Antibody - 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](#)

**Goat Anti-MURF3 / TRIM54 Antibody - Images**

AF1698a staining (1ug/ml) of human muscle lysate (RIPA buffer, 35ug totalprotein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

**Goat Anti-MURF3 / TRIM54 Antibody - Background**

The protein encoded by this gene contains a RING finger motif and is highly similar to the ring finger proteins RNF28/MURF1 and RNF29/MURF2. In vitro studies demonstrated that this protein, RNF28, and RNF29 form heterodimers, which may be important for the regulation of titin kinase and microtubule-dependent signal pathways in striated muscles. Alternatively spliced transcript variants encoding distinct isoforms have been reported.

**Goat Anti-MURF3 / TRIM54 Antibody - References**

Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID

16344560.

Generation and annotation of the DNA sequences of human chromosomes 2 and 4. Hillier LW, et al. Nature, 2005 Apr 7. PMID 15815621.

Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.

Muscle-specific RING finger-1 interacts with titin to regulate sarcomeric M-line and thick filament structure and may have nuclear functions via its interaction with glucocorticoid modulatory element binding protein-1. McElhinny AS, et al. J Cell Biol, 2002 Apr 1. PMID 11927605.

Identification of muscle specific ring finger proteins as potential regulators of the titin kinase domain. Centner T, et al. J Mol Biol, 2001 Mar 2. PMID 11243782.