

**TRIM54 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13292a**

**Specification**

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**TRIM54 Antibody (N-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">Q9BYV2</a>
Other Accession	<a href="#">Q58D15</a> , <a href="#">NP_912730.2</a> , <a href="#">NP_115935.3</a>
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	40301
Antigen Region	1-30

**TRIM54 Antibody (N-term) - 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

**Target/Specificity**

This TRIM54 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human TRIM54.

**Dilution**

WB~~1:1000  
IHC-P~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

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

**Precautions**

TRIM54 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TRIM54 Antibody (N-term) - 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**

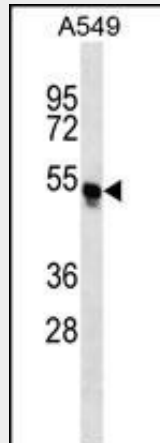
Specifically expressed in heart and skeletal muscle.

**TRIM54 Antibody (N-term) - Protocols**

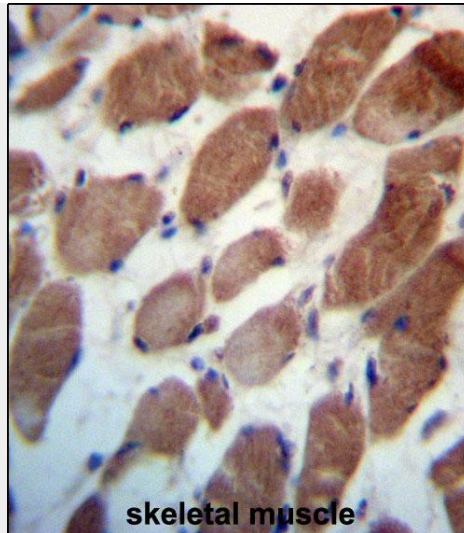
Provided below are standard protocols that you may find useful for product applications.

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

**TRIM54 Antibody (N-term) - Images**



TRIM54 Antibody (N-term) (Cat. #AP13292a) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the TRIM54 antibody detected the TRIM54 protein (arrow).



TRIM54 Antibody (N-term) (Cat. #AP13292a) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of TRIM54 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **TRIM54 Antibody (N-term) - 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. [provided by RefSeq].

#### **TRIM54 Antibody (N-term) - References**

Centner, T., et al. J. Mol. Biol. 306(4):717-726(2001)  
Spencer, J.A., et al. J. Cell Biol. 150(4):771-784(2000)