

**TRIM54 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13292a****Specification**

---

**TRIM54 Antibody (N-term) Blocking peptide - Product Information**Primary Accession [Q9BYV2](#)**TRIM54 Antibody (N-term) Blocking peptide - 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**

The synthetic peptide sequence used to generate the antibody AP13292a was selected from the N-term region of TRIM54. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

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

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

- [Blocking Peptides](#)

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