10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TRIM54 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13292a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9BYV2
Other Accession	Q58D15, NP_912730.2, NP_115935.3
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33259
Calculated MW	40301
Antigen Region	1-30

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~~1:100~500 E~~Use at an assay dependent concentration.
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.

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.

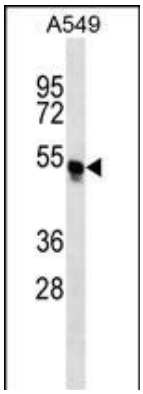
Background

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].

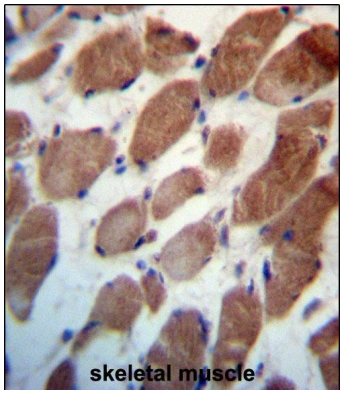
References

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)

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.