

TRIM55 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12282**Specification**

TRIM55 antibody - middle region - Product Information

Application	WB
Primary Accession	Q9BYV6
Other Accession	NM_184087 , NP_908975
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rabbit, Pig, Chicken, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27kDa KDa

TRIM55 antibody - middle region - Additional Information**Gene ID** 84675**Alias Symbol** MURF-2, RNF29, muRF2**Other Names**

Tripartite motif-containing protein 55, Muscle-specific RING finger protein 2, MuRF-2, MuRF2, RING finger protein 29, TRIM55, MURF2, RNF29

Target/Specificity

100% homologous to all four isoforms of TRIM55.

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-TRIM55 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

TRIM55 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

TRIM55 antibody - middle region - Protein Information**Name** TRIM55**Synonyms** MURF2, RNF29**Function**

E3 ubiquitin ligase that plays an important role in regulating cardiac development and

contractility, muscle growth, metabolism, and fiber-type differentiation. Acts as a critical factor that regulates cardiomyocyte size during development in concert with TRIM63 by regulating E2F1-mediated gene expression (By similarity). Plays a role in apoptosis induction in cardiomyocytes by promoting ubiquitination of the DUSP1 phosphatase. Promotes non-canonical NF- κ B signaling and B-cell-mediated immune responses by mediating NFKB2 'Lys-48'-linked ubiquitination and processing. In turn, NFKB2 is further processed by valosin-containing protein/VCP, an ATPase that mediates ubiquitin-dependent protein degradation by the proteasome. May play a role in preventing macrophages from producing inflammatory factors and migrating by downregulating the level of nuclear NF-kappa-B subunit RELA. Modifies also PPARG via polyubiquitination and accelerates PPARG proteasomal degradation to inhibit its activity (PubMed:36737649).

Cellular Location

Nucleus {ECO:0000250|UniProtKB:G3X8Y1}. Cytoplasm {ECO:0000250|UniProtKB:G3X8Y1}. Note=TLR4 signaling pathway promotes nuclear translocation. {ECO:0000250|UniProtKB:G3X8Y1}

Tissue Location

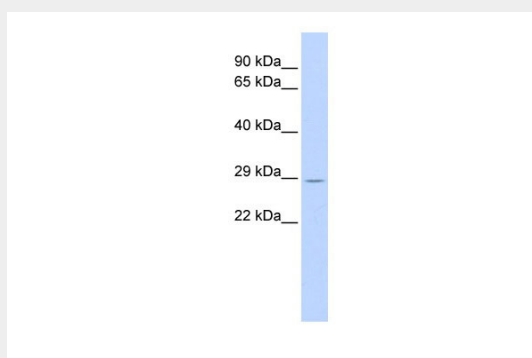
Highly expressed in muscle. Low-level expression in liver.

TRIM55 antibody - middle region - 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](#)

TRIM55 antibody - middle region - Images



WB Suggested Anti-TRIM55 Antibody Titration: 0.2-1 μ g/ml
ELISA Titer: 1:62500
Positive Control: Hela cell lysate

TRIM55 antibody - middle region - References

Lange,S.,(2005)Science308(5728),1599-1603ReconstitutionandStorage:Forshorttermuse,storeat2-8 Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.