



Rabbit Anti-MURF2 antibody

SL9389R

Product Name:	MURF2
Chinese Name:	肌肉特异性Ring finger protein2抗体
Alias:	MURF 2; MURF-2; MuRF2; Muscle specific ring finger 2; Muscle specific RING finger protein 2; Muscle-specific RING finger protein 2; ring finger protein 29; RNF 29; RNF29; TRI55_HUMAN; TRIM 55; Trim55; Tripartite motif containing 55; Tripartite motif containing protein 55; Tripartite motif-containing protein 55.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	60kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MURF2:65-160/548
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	MuRF1 (RNF28), MuRF2 (RNF29) and MuRF3 (RNF30) are a specific class of RING finger proteins expressed in striated muscle tissues that act as signaling molecules and cytoskeletal adaptors. The MuRF proteins contain a conserved N-terminal RING domain and zinc-binding B-box motif in addition to two coiled-coil motifs in their

central regions. In muscle cells, MuRF2 regulates gene expression and protein turnover. It localizes to the cytoplasm, but under atrophic conditions it is detected in the nucleus. MuRF2 can form oligomers with various other proteins, including titin and myosin, during sarcomere assembly. Endogenous MuRF2 associates with the sarcomeric M-band in cardiomyocytes. There are at least four isoforms of MuRF2.

Subunit:

Homooligomer and heterooligomer (Probable). Interacts with titin/TTN. Interacts with myosins. Interacts with SQSTM1 and NBR1. Isoform 4 may not be able to interact with isoform 1, isoform 2 and isoform 3. Probably interacts with TRIM63 and TRIM54.

Subcellular Location:

Cytoplasm. Nucleus. Note=Nuclear under atrophic conditions and upon mechanical signals. Localizes to the sarcomeric M-band in cardiomyocytes. Colocalizes in part with microtubules.

Tissue Specificity:

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

Similarity:

Contains 1 B box-type zinc finger.
Contains 1 COS domain.
Contains 1 RING-type zinc finger.

SWISS:

Q9BYV6

Gene ID:

84675

Database links:

[Entrez Gene: 84675](#)Human

[Entrez Gene: 381485](#)Mouse

[Entrez Gene: 365751](#)Rat

[Omim: 606469](#)Human

[SwissProt: Q9BYV6](#)Human

[SwissProt: Q5PQN5](#)Rat

[Unigene: 85524](#)Human

[Unigene: 35419](#)Mouse

[Unigene: 76142](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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