



Rabbit Anti-MURF3 antibody

SL9376R

Product Name:	MURF3
Chinese Name:	肌肉特定Ring finger protein3抗体
Alias:	MURF 3; MURF; MURF-3; MuRF3; Muscle specific RING finger protein 3; Muscle specific RING finger protein; Muscle specific RING finger protein homolog; Muscle-specific RING finger protein 3; Muscle-specific RING finger protein; Ring finger protein 30; RNF30; TRI54_HUMAN; TRIM 54; TRIM54; RNF28; Tripartite motif containing 54; tibody Tripartite motif-containing protein 54.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,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:	40kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MURF3:131-240/358
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, is a nuclear protein that interacts with SMT3b and the large myofibrillar protein Titin. In muscle cells, MuRF2 (RFN29) 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. MuRF3, also designated tripartite motif-containing 54 (TRIM54) or ring finger protein 30 (RNF30), interacts with tubulin and stabilizes microtubules during myotube formation. It is a cytoplasmic protein that localizes to the Z-lines in skeletal muscles, while MuRF2 localizes to the sarcomeric M-band in cardiomyocytes. MuRF3 shares 77% and 65% sequence identity with MuRF1 and MuRF2, respectively. MuRF1-3 share a conserved N-terminal RING domain and zinc-binding B-box motif, and two coiled-coil dimerization motif boxes, in their central regions.

Function:

May bind and stabilize microtubules during myotubes formation (By similarity).

Subunit:

Homooligomer and heterooligomer. Interacts with tubulin. Interacts with TRIM63 and probably with TRIM55.

Subcellular Location:

Cytoplasm

Tissue Specificity:

Specifically expressed in heart and skeletal muscle.

Similarity:

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

SWISS:

Q9BYV2

Gene ID:

57159

Database links:

[Entrez Gene: 57159](#)Human

[Omim: 606474](#)Human

[SwissProt: Q9BYV2](#)Human

[Unigene: 516036](#)Human

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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