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MURF3 Rabbit pAb

Catalog # AP98812

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9BYV2
Other Accession	Q9BYV2
Predicted	Rat, Pig, Human, Mouse, Rabbit, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40301
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MURF3
Epitope Specificity	131-240/358
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 B box-type zinc finger. Contains 1 COS domain. Contains 1 RING-type zinc finger.
SUBUNIT	Homooligomer and heterooligomer. Interacts with tubulin (By similarity). Interacts with TRIM63 and probably with TRIM55.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	MuRF3, also designated tripartite motif-containing 54 (TRIM54) or ring finger protein 30 (RNF30), interacts with tubulin and stabilizes microtubules duing myotube formation. It is a cytoplasmic protein the 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.

Additional Information

Gene ID	57159
Other Names	MURF; MURF-3; RNF30; muRF3; TRI54_HUMAN; TRIM54; Muscle-specific RING finger protein (MuRF); Muscle-specific RING finger protein 3 (MuRF-3 | MuRF3); RING finger protein 30; tripartite motif containing 54; tripartite motif-containing 54
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.