肌肉特异性环指蛋白 2 抗体

产品货号： mlR9389

英文名称： MURF2

中文名称： 肌肉特异性环指蛋白 2 抗体

别　　名： 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.

研究领域： 细胞生物　信号转导　细胞周期蛋白　表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:50-200 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 60kDa

细胞定位： 细胞核 细胞浆

性　　状： yophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human MURF2:65-160/548

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： 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

产品介绍 background: :

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 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

Important Note:

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