

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat MuRF1/TRIM63 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human MuRF1/TRIM63 Met1-Gly325 Accession # Q969Q1
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

TRIM63 (Tripartite motif-containing protein 63; also MURF-1, SMRZ and RING finger protein 28) is a 41 kDa member of the RING finger-B-box-coiled-coil family of proteins. It is a striated muscle protein that is found in both cytoplasm and nucleus. TRIM63 has multiple functions, among which are the inhibition of PKCε-mediated cardiomyocyte hypertrophy and the maintenance of skeletal muscle M-line integrity. Human TRIM63 is 353 amino acids (aa) in length. It contains one RING finger domain (aa 23-82), a B-Box type zinc-finger region (aa 117-159), a coiled-coil region (aa 207-269) and a C-terminal COS domain. Isoforms of TRIM63 show one potential alternate start site at Met14, a deletion of aa 105-132 and a 21 aa substitution for aa 326-353. Over aa 1-325, human TRIM63 exhibits 93% aa identity with mouse TRIM63.

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