

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse TRIM5 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human TRIM5 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse TRIM5 Ala2-Gln249 Accession # AAH38937
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

TRIM5 belongs to the large family of TRIM proteins, which are also named RBCC proteins. These proteins contain a RING domain, one or two B-boxes (CHC3H2 zinc finger motifs), and the coiled-coil domain. Different TRIM proteins contain C-terminals that vary in length and composition. They also have different functions and cellular localization. TRIM5 possesses a B30.2 (also known as RFP-like or PRY-SPRY) C-terminal domain and exists as homotrimers. TRIM5 is a single protein RING finger E3 ubiquitin ligase and has been shown to have antiretroviral activities. Mouse TRIM5 shares 49% and 81% amino acid sequence homology with human and rat TRIM5, respectively.

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