Human TRIM21 Alexa Fluor® 350-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF6219U
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TRIM21 in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human TRIM21 Met1-Tyr475 Accession # P19474
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 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.
Immunocytochemistry	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

TRIM21 (Tripartite motif-containing protein 21; also Ro(SS-A), 52 kDa Ro Protein/Ro52, and RING finger protein 81) is a 52-56 kDa member of the RING finger B box coiled coil family of proteins. It is an E3 ligase that is found in both nucleus and cytoplasm, where it is often associated with microtubules. TRIM21 ubiquitinates select proteins. In B cells, it targets the Fc fragment of misfolded IgG, providing QC on its production. In macrophages, it acts in a nondegradative manner on IRF8, promoting innate immunity. Human TRIM21 is 475 amino acids (aa) in length and contains one E3 ligase RING finger domain (aa 16-55), a B Box type zinc finger region (aa 92-123), a coiled coil region (aa 128-238) and a C-terminal SPRY/B30.2 Ig binding domain (aa 268-465). TRIM21 is reported to form trimers. Over aa 195-293, human TRIM21 exhibits 72% aa identity with mouse TRIM21.

PRODUCT SPECIFIC NOTICES

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