

#### DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects human TRAF-5 in direct ELISAs. In direct ELISAs, approximately 15% cross-reactivity with recombinant human (rh) TRAF-3 is observed, and less than 5% cross-reactivity with rhTRAF-2 and rhTRAF-4 is observed.                                                       |
| <b>Source</b>             | Polyclonal Sheep IgG                                                                                                                                                                                                                                                        |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant human TRAF-5<br>Lys353-Leu557<br>Accession # O00463                                                                                                                                                                                     |
| <b>Conjugate</b>          | Alexa Fluor 405<br>Excitation Wavelength: 405 nm<br>Emission Wavelength: 421 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*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.

**Immunohistochemistry** 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

TRAF-5 (TNF Receptor-Associated Factor 5; also RNF84) is a 60-66 kDa member of the A subfamily of the TRAF family of molecules. It is widely expressed, and serves as an adaptor molecule that links select TNFR family members with downstream signaling elements. In particular, it interacts with LTbR, TNFR2, OX40, CD27, CD40, CD30, RANK and TAJ/TROY, and induces NFκB activation. It forms homotrimers and heteromers with TRAF3. Human TRAF5 is 557 amino acids (aa) in length. It contains one RING-type Zn finger region (aa 45-85), two TRAF-type Zn finger regions (aa 127-181 and 182-239), a coiled-coil region (aa 237-342) and a C-terminal protein-protein interaction MATH domain (aa 403-549). There is one potential alternative start site 64 aa upstream of the standard start site. Full-length human TRAF-5 shares 80% aa sequence identity with mouse TRAF-5.

#### PRODUCT SPECIFIC NOTICES

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