

## 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 Lys353-Leu557 Accession # O00463
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

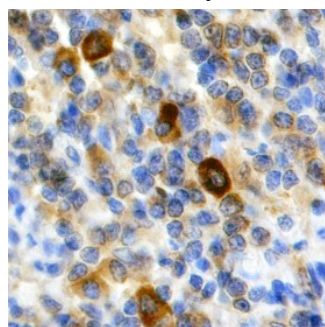
## APPLICATIONS

**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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Immunohistochemistry</b>	5-15 µg/mL	See Below

## DATA

### Immunohistochemistry



**TRAF-5 in Human Lymph Node.** TRAF-5 was detected in immersion fixed paraffin-embedded sections of human lymph node using Sheep Anti-Human TRAF-5 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3280) at 3 µg/mL overnight at 4 °C. Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval using Antigen Retrieval Reagent-Basic (Catalog # CTS013). Tissue was stained using the Anti-Sheep HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS019) and counterstained with hematoxylin (blue). Specific staining was localized to cytoplasm of lymphocytes. View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## 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 LTβR, 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.