

## Anti-TRAC-1 antibody

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<b>Description</b>	Rabbit polyclonal to TRAC-1.
<b>Model</b>	STJ96080
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Applications</b>	ELISA, IHC, WB
<b>Immunogen</b>	Synthesized peptide derived from human TRAC-1
<b>Immunogen Region</b>	100-180 aa, Internal
<b>Gene ID</b>	<a href="#">54941</a>
<b>Gene Symbol</b>	<a href="#">RNF125</a>
<b>Dilution range</b>	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:10000
<b>Specificity</b>	TRAC-1 Polyclonal Antibody detects endogenous levels of TRAC-1 protein.
<b>Tissue Specificity</b>	Predominantly expressed in lymphoid tissues, including bone marrow, spleen and thymus. Also weakly expressed in other tissues. Predominant in the CD4(+) and CD8(+) T-cells, suggesting that it is preferentially confined to T-cells.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	E3 ubiquitin-protein ligase RNF125 RING finger protein 125 T-cell RING activation protein 1 TRAC-1

<b>Molecular Weight</b>	26 kDa
<b>Clonality</b>	Polyclonal
<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="#">HGNC:211500MIM:610432</a>
<b>Alternative Names</b>	E3 ubiquitin-protein ligase RNF125 RING finger protein 125 T-cell RING activation protein 1 TRAC-1
<b>Function</b>	E3 ubiquitin-protein ligase that mediates ubiquitination and subsequent proteasomal degradation of target proteins, such as DDX58/RIG-I, MAVS/IPS1, IFIH1/MDA5, JAK1 and p53/TP53 . Acts as a negative regulator of type I interferon production by mediating ubiquitination of DDX58/RIG-I at 'Lys-181', leading to DDX58/RIG-I degradation . Mediates ubiquitination and subsequent degradation of p53/TP53 . Mediates ubiquitination and subsequent degradation of JAK1 . Acts as a positive regulator of T-cell activation .
<b>Sequence and Domain Family</b>	The C2HC RNF-type zinc finger and the linker region stabilize the RING-type zinc finger, leading to promote binding of the RING-type zinc finger to the ubiquitin-conjugating enzyme E2 (donor ubiquitin) .
<b>Cellular Localization</b>	Golgi apparatus membrane. Shows a reticular staining pattern within the cell and is probably expressed at other intracellular membranes in addition to the Golgi membrane. Not detected at the plasma membrane.
<b>Post-translational Modifications</b>	Autoubiquitinated, leading to its subsequent proteasomal degradation.