

## Product datasheet for **AP54307PU-N**

### **TNFRSF1A Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	FC, WB
Recommended Dilution:	ELISA: 1:1;000. Western blot: 1:100~500. Flow cytometry: 1:10~50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 259-288 amino acids from human TNFR
Specificity:	This antibody detects CD120a / TNFR1.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein A column followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	tumor necrosis factor receptor superfamily member 1A
Database Link:	<a href="#">Entrez Gene 7132 Human P19438</a>



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**Background:**

The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein is one of the major receptors for the tumor necrosis factor- $\alpha$ . This receptor can activate NF- $\kappa$ B, mediate apoptosis, and function as a regulator of inflammation. Antiapoptotic protein BCL2-associated athanogene 4 (BAG4/SODD) and adaptor proteins TRADD and TRAF2 have been shown to interact with this receptor, and thus play regulatory roles in the signal transduction mediated by the receptor. Germline mutations of the extracellular domains of this receptor were found to be associated with the autosomal dominant periodic fever syndrome. The impaired receptor clearance is thought to be a mechanism of the disease.

**Synonyms:**

Tumor necrosis factor receptor 1, TNF-R1, TNF-RI, TNFR-I, p55, p60, Tnfrsf1a

**Note:**

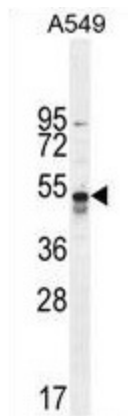
**Molecular Weight:** 50495 Da

**Protein Families:**

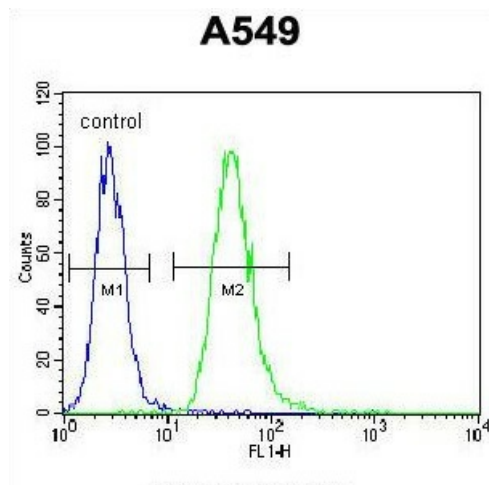
Druggable Genome, Secreted Protein, Transcription Factors, Transmembrane

**Protein Pathways:**

Adipocytokine signaling pathway, Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Apoptosis, Cytokine-cytokine receptor interaction, MAPK signaling pathway

**Product images:**

hTNFR-pS274 western blot analysis in A549 cell line lysates (35 ug/lane). This demonstrates the TNFR antibody detected the TNFR protein (arrow).



TNFR-S274 Antibody flow cytometric analysis of A549 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.