

## Product datasheet for **AP54311PU-N**

### **TNFRSF1A (N-term) Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	FC, IF, IHC, WB
<b>Recommended Dilution:</b>	ELISA: 1:1;000. Western blot: 1:100~500. Immunohistochemistry on paraffin sections: 1:50~100. Immunofluorescence: 1:10~50. Flow Cytometry: 1:10-1:50.
<b>Reactivity:</b>	Human
<b>Host:</b>	Rabbit
<b>Isotype:</b>	Ig
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	KLH conjugated synthetic peptide between 24-52 amino acids from the N-terminal region of human TNFRSF1A
<b>Specificity:</b>	This antibody detects CD120a / TNFR1 (N-term).
<b>Formulation:</b>	PBS with 0.09% (W/V) sodium azide State: Aff - Purified State: Liquid Ig fraction
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Protein A column followed by peptide affinity purification
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	tumor necrosis factor receptor superfamily member 1A
<b>Database Link:</b>	<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:**

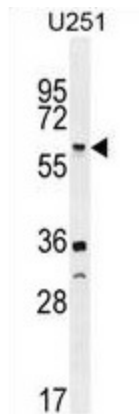
**Molecular Weight:** 50495 Da

**Protein Families:**

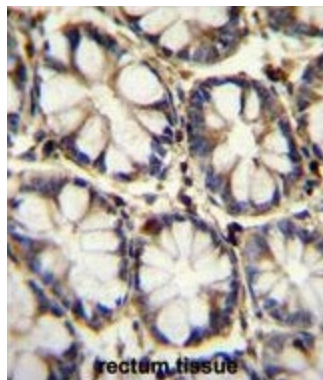
Druggable Genome, Secreted Protein, Transcription Factors, Transmembrane

**Protein Pathways:**

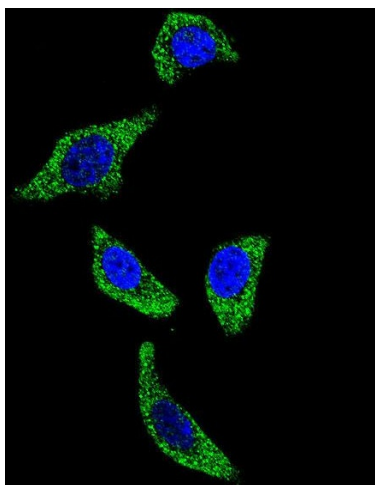
Adipocytokine signaling pathway, Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Apoptosis, Cytokine-cytokine receptor interaction, MAPK signaling pathway

**Product images:**

TNFRSF1A Antibody (N-term) western blot analysis in U251 cell line lysates (35 ug/lane). This demonstrates the TNFRSF1A antibody detected the TNFRSF1A protein (arrow).



TNFRSF1A Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human rectum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of TNFRSF1A Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Confocal immunofluorescent analysis of TNFRSF1A Antibody (N-term) with U-251MG cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).