

For Research Use Only

# TNFR2 Polyclonal antibody

Catalog Number: 14478-1-AP



## Basic Information

<b>Catalog Number:</b> 14478-1-AP	<b>GenBank Accession Number:</b> BC052977	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 190 µg/ml	<b>GeneID (NCBI):</b> 7133	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P20333	
<b>Isotype:</b> IgG	<b>Full Name:</b> tumor necrosis factor receptor superfamily, member 1B	
<b>Immunogen Catalog Number:</b> AG5858	<b>Calculated MW:</b> 48 kDa	

## Applications

**Tested Applications:**  
ELISA

**Species Specificity:**  
human

## Background Information

Tumor necrosis factor-alpha (TNFA/TNFSF2) is multifunctional cytokine that plays a key role in regulating inflammation, immune functions, host defense, and apoptosis (PMID: 16407280). TNFA signals through two distinct cell surface receptors, TNFR1 (TNFRSF1A, CD120a) and TNFR2 (TNFRSF1B, CD120b). TNFR1 is widely expressed, whereas TNFR2 exhibits more restricted expression, being found on CD4 and CD8 T lymphocytes, endothelial cells, microglia, oligodendrocytes, neuron subtypes, cardiac myocytes, thymocytes and human mesenchymal stem cells (PMID: 20489699; 22374304). In contrast to TNFR1, TNFR2 does not have a death domain. TNFR2 only signals for antiapoptotic reactions. However, recent evidence indicates that TNFR2 also signals to induce TRAF2 degradation (PMID: 22374304). Various defects in the TNFR2 pathway, due to polymorphisms in the TNFR2 gene, upregulated expression of TNFR2 and TNFR2 shedding, have been implicated in the pathology of several autoimmune disorders (PMID: 20489699).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

**Aliquoting is unnecessary for -20°C storage**

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## Selected Validation Data