

## Anti-TNFR1/CD120a/TNFRSF1A Antibody (1K754)

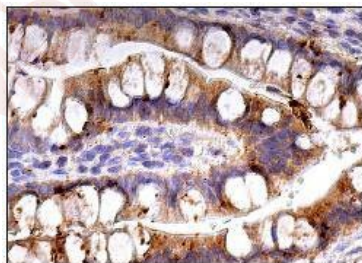
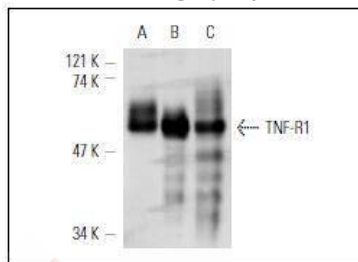
### Product Details

Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 55 kDa.
Clone:	1K754
Purification:	Immunogen affinity purified

### Applications

#### Verified Activity:

1. Western blot analysis of TNF-R1 expression in MCF7 (A), HeLa (B) and U-937 (C) whole cell lysates.
2. Immunoperoxidase staining of formalin fixed, paraffin-embedded human small intestine tissue showing cytoplasmic staining of glandular cells.



Application: IF,IHC-P,IP,WB

Recommended WB: 1:100-1000; IHC-P: 1:50-500; IP: 1-2 µg per 100-500 µg of total protein(1 ml of cell lysate)

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: Amino acids 30-301 mapping within the extracellular domain of TNF-R1 of human origin

Antigen Species: human

Uniprot ID: P19438

Synonyms: TNFR1;TNFR60;TNFR1-d2;p60;TBP1;FPF;TNF-R;tumor necrosis factor receptor superfamily member 1A;CD120a;p55;TNFR55;TNF-R55;MS5;TNF-R-I;p55-R;TNFAR

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### Research Background

Tumor necrosis factor (TNF) is a pleiotropic cytokine whose function is mediated through two distinct cell surface receptors. These receptors, designated TNF-R1 and TNF-R2 are expressed on most cell types. The majority of TNF functions are primarily mediated through TNF-R1, while signaling through TNF-R2 occurs less extensively and is confined to cells of the immune system. Both of these proteins belong to the growing TNF and nerve growth factor (NGF) receptor superfamily, which includes FAS, CD30, CD27 and CD40. The members of this superfamily are type I membrane proteins that share sequence homology confined to the extracellular region. TNF-R1 shares a motif coined the "death domain" with FAS and three structurally unrelated signaling proteins, TRADD, FADD and RIP. This "death domain" is required for transduction of the apoptotic signal.

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