

**TNF-R1 Antibody**  
Catalog # ASM10426

**Specification**

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**TNF-R1 Antibody - Product Information**

Application	<b>IHC, WB</b>
Primary Accession	<a href="#">P19438</a>
Other Accession	<a href="#">P19438</a>
Host	<b>Rabbit</b>
Reactivity	<b>Human, Mouse, Rat, Rabbit, Monkey, Bovine, Dog</b>
Clonality	<b>Polyclonal</b>

**Description**

Rabbit Anti-Mouse TNF-R1 Polyclonal

**Target/Specificity**

Detects ~55kDa.

**Other Names**

Tumor necrosis factor receptor 1 Antibody, TNFR-1 Antibody, TNFRSF1A Antibody, TNFAR Antibody, TNFR1 Antibody

**Immunogen**

Peptide corresponding to AA 20-43 of the mouse TNF-R1 sequence, identical to rat and human over those residues

**Purification**

Peptide Affinity Purified

Storage **-20°C**

**Storage Buffer**

PBS pH7.4, 50% glycerol, 0.09% sodium azide

Shipping Temperature **Blue Ice or 4°C**

**Certificate of Analysis**

1 µg/ml of SPC-170 was sufficient for detection of TNFR1 in 20 µg of Hela lysate by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary antibody.

**Cellular Localization**

Cell Membrane | Golgi Apparatus | Golgi Apparatus Membrane

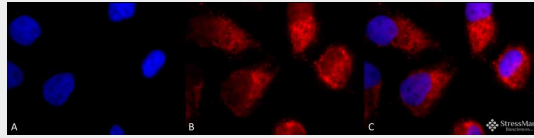
**TNF-R1 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

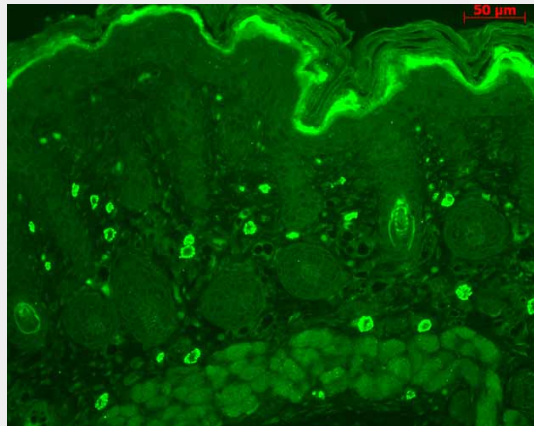
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

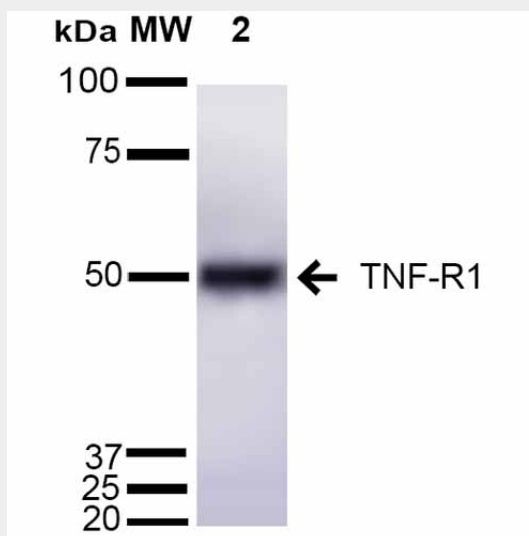
### TNF-R1 Antibody - Images



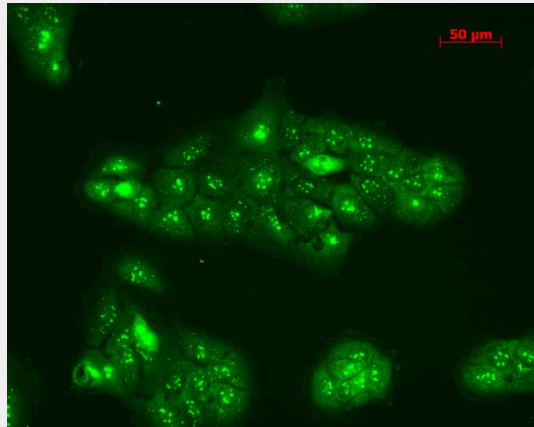
Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-TNF-R1 Polyclonal Antibody (ASM10426). Tissue: HeLa Cells. Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Rabbit Anti-TNF-R1 Polyclonal Antibody (ASM10426) at 1:100 for 12 hours at 4°C. Secondary Antibody: APC Goat Anti-Rabbit (red) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Golgi apparatus membrane. Magnification: 100x. (A) DAPI (blue) nuclear stain. (B) Anti-TNF-R1 Antibody. (C) Composite.



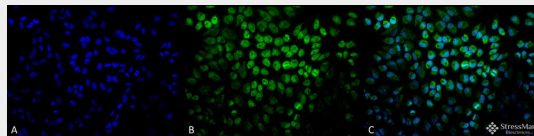
Immunohistochemistry analysis using Rabbit Anti-TNF-R1 Polyclonal Antibody (ASM10426). Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative Solution. Primary Antibody: Rabbit Anti-TNF-R1 Polyclonal Antibody (ASM10426) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Rabbit (green) at 1:50 for 1 hour at RT. Localization: dermis.



Western blot analysis of Mouse Liver cell lysates showing detection of ~55 kDa TNF-R1 protein using Rabbit Anti-TNF-R1 Polyclonal Antibody (ASM10426). Lane 1: Molecular Weight Ladder (MW). Lane 2: Mouse Liver cell lysates. Load: 15 µg. Block: 5% Skim Milk in 1X TBST. Primary Antibody: Rabbit Anti-TNF-R1 Polyclonal Antibody (ASM10426) at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Rabbit IgG: HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 5 min at RT. Predicted/Observed Size: ~55 kDa.



Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-TNF-R1 Polyclonal Antibody (ASM10426). Tissue: HaCaT cells. Species: Human. Fixation: Cold 100% methanol at -20C for 10 minutes. Primary Antibody: Rabbit Anti-TNF-R1 Polyclonal Antibody (ASM10426) at 1:100 for 12 hours at 4°C. Secondary Antibody: FITC Goat Anti-Rabbit at 1:50 for 1-2 hours at RT in dark. Localization: Punctate nuclear staining, dotty staining in cytoplasm.



Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-TNF-R1 Polyclonal Antibody (ASM10426). Tissue: HeLa Cells. Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Rabbit Anti-TNF-R1 Polyclonal Antibody (ASM10426) at 1:100 for 12 hours at 4°C. Secondary Antibody: FITC Goat Anti-Rabbit (green) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Golgi apparatus membrane. Magnification: 20x. (A) DAPI (blue) nuclear stain. (B) Anti-TNF-R1 Antibody. (C) Composite.

### TNF-R1 Antibody - Background

The Tumor Necrosis Factor Receptor (TNFR) also known as Cluster of differentiation (CD120) is a protein that belongs to the (TNF)/ (TNFR) superfamily. TNF interacts with two distinct receptors TNFR1 and TNFR2. These receptors share no homology on their cytoplasmic sequences(1,3).TNFR1 also known as p55/p60 is a high affinity receptor for TNF-α. The TNFR1 has an extracellular domain with variable numbers of cysteine-rich repeats. The functional properties of TNFR1 are targets in new therapies for osteoporosis, chronic inflammatory and autoimmune diseases (1, 2). The TNF-α/TNFR1 receptor complex is responsible for the recruitment and the subsequent activation of the caspase (aspartate-specific cysteine proteases) that regulate apoptosis.

### TNF-R1 Antibody - References

1. Kontermann R.E., et al. (2008) J Immunother. 31(3):225-34.
2. Hehlgans T. and Pfeffer K. (2005) Immunology. 115(1):1-20.
3. Al-Lamki S., et al. (2005) The FASEB Journal. 19:1638-1645.