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TNF-R1 Antibody
Catalog # ASM10426

Specification

TNF-R1 Antibody - Product Information

Application	**WB, IHC, IP, ICC**
Primary Accession	P19438
Other Accession	P19438
Host	**Rabbit**
Reactivity	**Human, Mouse, Rat, Rabbit, Monkey, Bovine, Dog**
Clonality	**Polyclonal**
Format	**ATTO 390**

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	**-20ºC**

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

Shipping Temperature	**Blue Ice or 4ºC**

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 Cytomety
- Cell Culture

TNF-R1 Antibody - Images

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.