

**TNFSF4 Antibody**  
**Catalog # ASC11620****Specification**

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**TNFSF4 Antibody - Product Information**

Application	WB, IHC-P, IF, E
Primary Accession	<a href="#">P23510</a>
Other Accession	<a href="#">NP_003317</a> , <a href="#">4507603</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	20 kDa KDa
Application Notes	TNFSF4 antibody can be used for detection of TNFSF4 by Western blot at 0.5 - 1 µg/mL.

**TNFSF4 Antibody - Additional Information**Gene ID **7292****Target/Specificity**

TNFSF4; At least two isoforms of TNFSF4 are known to exist; this antibody will detect both isoforms.

**Reconstitution & Storage**

TNFSF4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.

**Precautions**

TNFSF4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**TNFSF4 Antibody - Protein Information****Name** TNFSF4**Synonyms** TXGP1**Function**

Cytokine that binds to TNFRSF4. Co-stimulates T-cell proliferation and cytokine production.

**Cellular Location**

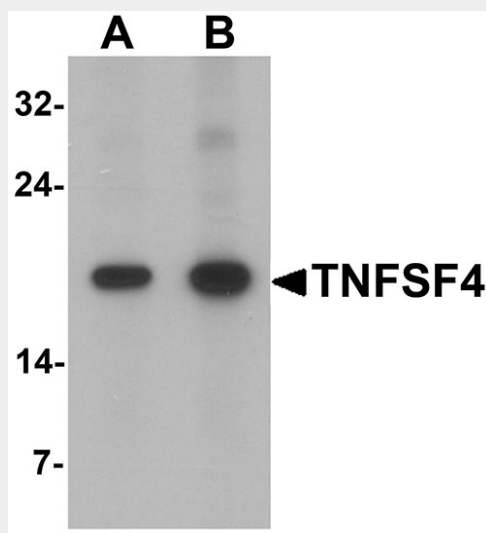
Membrane; Single-pass type II membrane protein.

**TNFSF4 Antibody - Protocols**

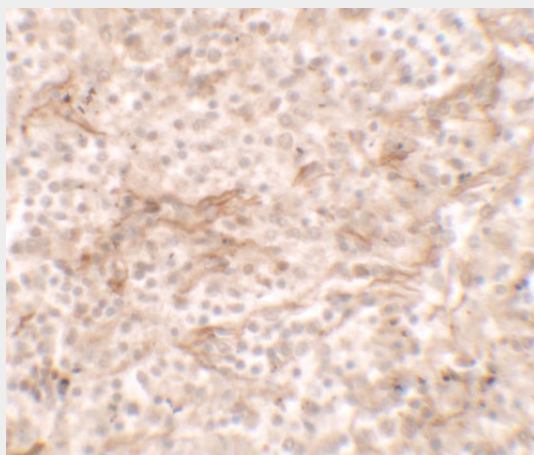
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

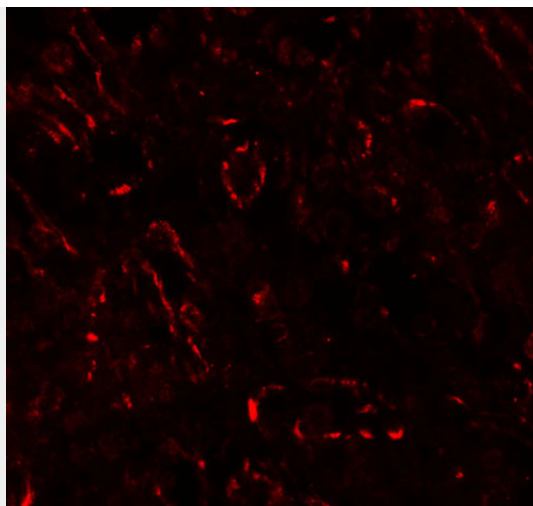
#### TNFSF4 Antibody - Images



Western blot analysis of TNFSF4 in rat spleen tissue lysate with TNFSF4 antibody at (A) 0.5 and (B) 1  $\mu$ g/mL



Immunohistochemistry of TNFSF4 in spleen tissue with TNFSF4 antibody at 5  $\mu$ g/ml.



Immunofluorescence of TNFSF4 in human spleen tissue with TNFSF4 antibody at 20 µg/ml.

### **TNFSF4 Antibody - Background**

**TNFSF4 Antibody:** The tumor necrosis factor superfamily member TNFSF4 is a type II membrane bound, non-covalently linked homotrimeric protein. It is expressed on antigen presenting cells, such as dendritic cells and activated B-cells, and also on other cells such as vascular endothelial cells, mast cells, and natural killer cells. TNFSF4 signals specifically through the TNFRSF4 receptor, is expressed predominantly on CD4+T cells but also on certain activated CD8+T cells. TNFRSF4/TNFSF4 functions as a costimulatory signal, which is required for a productive interaction between antigen presenting cells and their target T-cells. It enhances cell proliferation and survival, and increases expression of RANTES, IL-2, IL-3, and IFN $\gamma$ . TNFRSF4/TNFSF4 signaling plays an important role in immunotolerance.

### **TNFSF4 Antibody - References**

Arch RH and Thompson CB. 4-1BB and Ox40 are members of a tumor necrosis factor (TNF)-nerve growth factor receptor subfamily that bind TNF receptor-associated factors and activate nuclear factor kappaB. Mol. Cell Biol.1998; 18:558-65.  
OX40-OX40 ligand interaction in T-cell-mediated immunity and immunopathy. Adv. Immunol. 2010; 105:63-98