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TNFSF4 Antibody

Catalog # ASC11620

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	P23510
Other Accession	NP_003317, 4507603
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	21050
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	TNFSF4 antibody can be used for detection of TNFSF4 by Western blot at 0.5 - 1 □g/mL.

Additional Information

Gene ID	7292
Other Names	Tumor necrosis factor ligand superfamily member 4, Glycoprotein Gp34, OX40 ligand, OX40L, TAX transcriptionally-activated glycoprotein 1, CD252, TNFSF4, TXGP1
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℃ for three months and -20℃, stable for up to one year.
Precautions	TNFSF4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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.

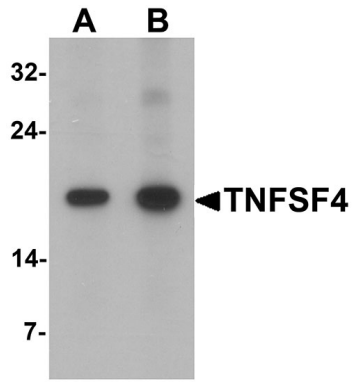
Background

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 IFNy. TNFRSF4/TNFSF4 signaling plays an important role in immunotolerance.

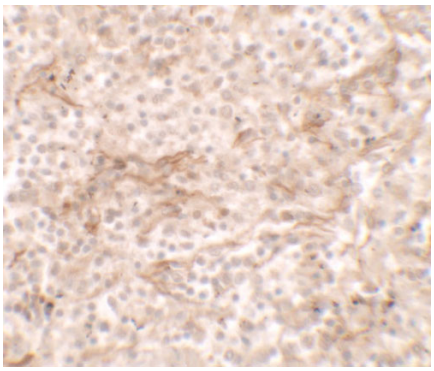
References

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

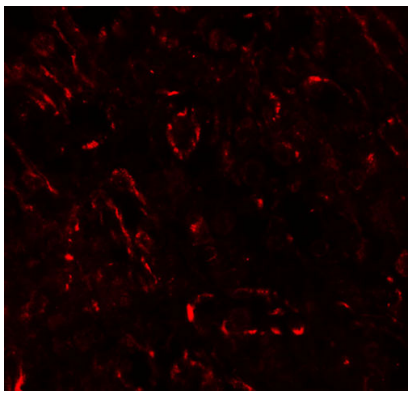
Images



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



Immunohistochemistry of TNFSF4 in spleen tissue with TNFSF4 antibody at 5 µg/ml.



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.