10320 Camino Santa Fe, Suite G
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TNFSF15 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP11879c

Specification

TNFSF15 Antibody (Center) - Product Information

Application	**FC, IF, WB,E**
Primary Accession	O95150
Other Accession	NP_005109.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**148-175**

TNFSF15 Antibody (Center) - Additional Information

Gene ID 9966

Other Names
Tumor necrosis factor ligand superfamily member 15, TNF ligand-related molecule 1, Vascular endothelial cell growth inhibitor, Tumor necrosis factor ligand superfamily member 15, membrane form, Tumor necrosis factor ligand superfamily member 15, secreted form, TNFSF15, TL1, VEGI

Target/Specificity
This TNFSF15 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 148-175 amino acids from the Central region of human TNFSF15.

Dilution
FC~~1:10~50
IF~~1:10~50
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
TNFSF15 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

TNFSF15 Antibody (Center) - Protein Information

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Name TNFSF15

Synonyms TL1, VEGI

Function Receptor for TNFRSF25 and TNFRSF6B. Mediates activation of NF-kappa-B. Inhibits vascular endothelial growth and angiogenesis (in vitro). Promotes activation of caspases and apoptosis.

Cellular Location
Membrane; Single-pass type II membrane protein

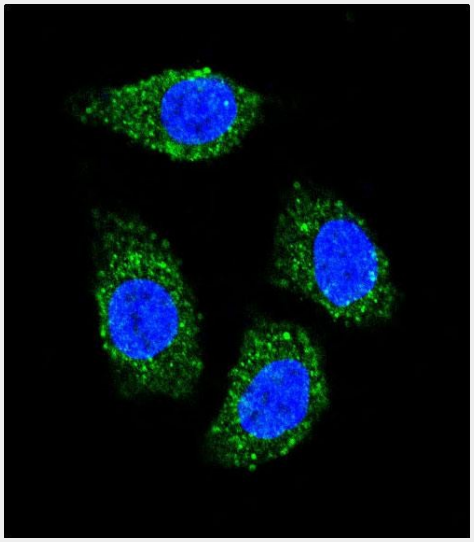
Tissue Location
Specifically expressed in endothelial cells. Detected in monocytes, placenta, lung, liver, kidney, skeletal muscle, pancreas, spleen, prostate, small intestine and colon

TNFSF15 Antibody (Center) - 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

TNFSF15 Antibody (Center) - Images



Confocal immunofluorescent analysis of TNFSF15 Antibody (Center) (Cat. #AP11879c) with Hela cell followed by Alexa Fluor® 489-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).

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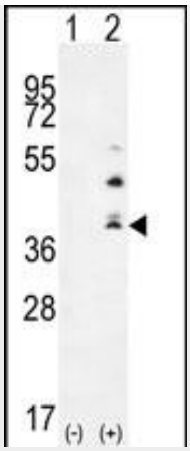
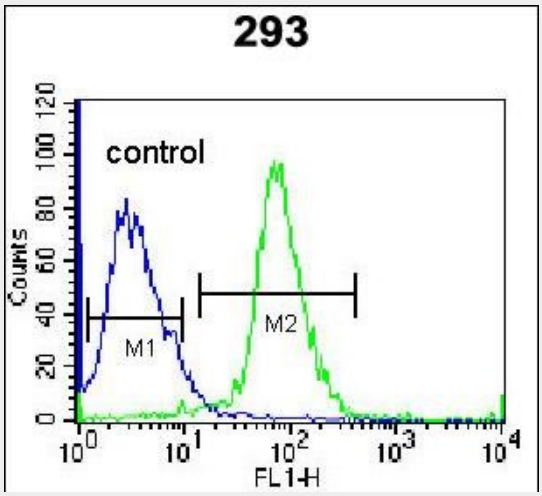


Western blot analysis of TNFSF15 (arrow) using rabbit polyclonal TNFSF15 Antibody (Center) (Cat. #AP11879c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the TNFSF15 gene.



TNFSF15 Antibody (Center) (Cat. #AP11879c) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

TNFSF15 Antibody (Center) - Background

The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein is abundantly expressed in endothelial cells, but is not expressed in either B or T cells. The expression of this protein is inducible by TNF and IL-1 alpha. This cytokine is a ligand for receptor TNFRSF25 and decoy receptor TNFRSF21/DR6. It can activate NF-kappaB and MAP kinases, and acts as an autocrine factor to induce apoptosis in endothelial cells. This cytokine is also found to inhibit endothelial cell proliferation, and thus may function as an angiogenesis inhibitor. An additional isoform encoded by an alternatively spliced transcript variant has been reported but the sequence of this transcript has not been determined. [provided by RefSeq].

TNFSF15 Antibody (Center) - References

Amre, D.K., et al. Hum. Genet. 128(2):131-135(2010)

Heidemann, S.C., et al. J. Clin. Immunol. 30(4):531-538(2010)
McLaren, J.E., et al. J. Immunol. 184(10):5827-5834(2010)
Davila, S., et al. Genes Immun. 11(3):232-238(2010)
Nakagome, S., et al. Ann. Hum. Genet. 74(2):126-136(2010)