

**TNF12 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP50579****Specification**

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**TNF12 Antibody - Product Information**

Application	IF, WB, IHC
Primary Accession	<a href="#">O43508</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27-37 KDa
Antigen Region	62-90

**TNF12 Antibody - Additional Information****Gene ID** 407977;8742**Other Names**

Tumor necrosis factor ligand superfamily member 12, APO3 ligand, TNF-related weak inducer of apoptosis, TWEAK, Tumor necrosis factor ligand superfamily member 12, membrane form, Tumor necrosis factor ligand superfamily member 12, secreted form, TNFSF12, APO3L, DR3LG

**Dilution**

IF~~1:100  
WB~~ 1:1000  
IHC~~1:50-1:100

**Format**

Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

**Storage Conditions**

-20°C

**TNF12 Antibody - Protein Information****Name** TNFSF12**Synonyms** APO3L, DR3LG**Function**

Binds to FN14 and possibly also to TNFRSF12/APO3. Weak inducer of apoptosis in some cell types. Mediates NF-kappa-B activation. Promotes angiogenesis and the proliferation of endothelial cells. Also involved in induction of inflammatory cytokines. Promotes IL8 secretion.

**Cellular Location**

Cell membrane; Single-pass type II membrane protein [Isoform TWE-PRIL]: Cell membrane;

Single-pass membrane protein

#### Tissue Location

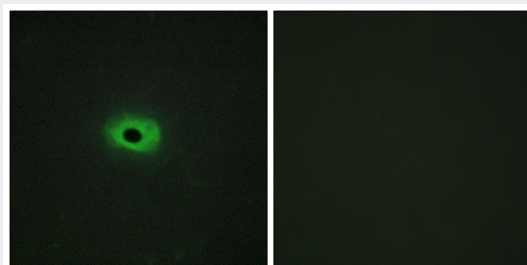
Highly expressed in adult heart, pancreas, skeletal muscle, brain, colon, small intestine, lung, ovary, prostate, spleen, lymph node, appendix and peripheral blood lymphocytes. Low expression in kidney, testis, liver, placenta, thymus and bone marrow. Also detected in fetal kidney, liver, lung and brain

#### TNF12 Antibody - Protocols

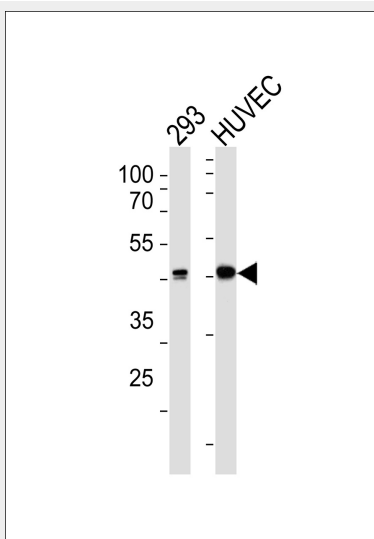
Provided below are standard protocols that you may find useful for product applications.

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

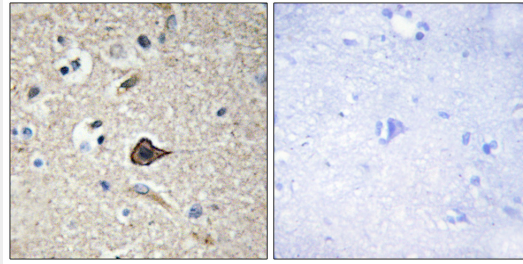
#### TNF12 Antibody - Images



Immunofluorescence analysis of HeLa cells, using TNF12 antibody.



Western blot analysis of lysates from 293, HUVEC cell line (from left to right), using TNF12 Antibody (AP50579). AP50579 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.



Immunohistochemistry analysis of paraffin-embedded human brain tissue using TNF12 antibody.

### **TNF12 Antibody - Background**

Binds to FN14 and possibly also to TNRF5/APO3. Weak inducer of apoptosis in some cell types. Mediates NF-kappa-B activation. Promotes angiogenesis and the proliferation of endothelial cells. Also involved in induction of inflammatory cytokines. Promotes IL8 secretion.

### **TNF12 Antibody - References**

Chicheportiche Y., et al. *J. Biol. Chem.* 272:32401-32410(1997).  
Marsters S.A., et al. *Curr. Biol.* 8:525-528(1998).  
Pradet-Balade B., et al. *EMBO J.* 21:5711-5720(2002).  
Clark H.F., et al. *Genome Res.* 13:2265-2270(2003).  
Zody M.C., et al. *Nature* 440:1045-1049(2006).