

Summary

Production Name	TWEAK Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC,IF,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	TNFSF12
Alternative Names	TNFSF12; APO3L; DR3LG; Tumor necrosis factor ligand superfamily member 12; APO3 ligand; TNF-related weak inducer of apoptosis; TWEAK
Gene ID	8742.0
SwissProt ID	O43508.The antiserum was produced against synthesized peptide derived from human TNFSF12. AA range:41-90

Application

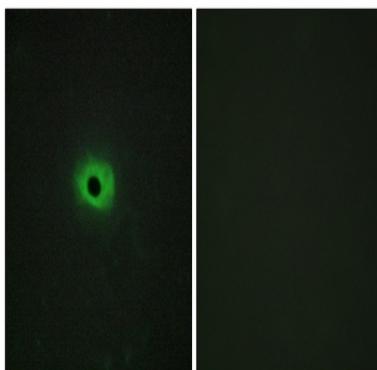
Dilution Ratio	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
Molecular Weight	27kD

Background

The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein is a ligand for the FN14/TWEAKR receptor. This cytokine has overlapping signaling functions with TNF, but displays a much wider tissue distribution. This cytokine, which exists in both membrane-bound and secreted forms, can induce apoptosis via multiple pathways of cell death in a cell type-specific manner. This cytokine is also found to promote proliferation and migration of endothelial cells, and thus acts as a regulator of angiogenesis. Alternative splicing results in multiple transcript variants. Some transcripts skip the last exon of this gene and continue into the second exon of the neighboring TNFSF13 gene; such read-through transcripts are contained in GeneID 407977, TNFSF12-TNFSF13. [provided by RefSeq, Oct 2010],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.,function: Cytokine that binds to TNFRSF13B/TACI and to TNFRSF17/BCMA. May be implicated in the regulation of tumor cell growth. May be involved in monocyte/macrophage-mediated immunological processes.,induction: Down-regulated by phorbol myristate acetate/ionomycin treatment.,PTM: The precursor is cleaved by furin.,PTM: The soluble form derives from the membrane form by proteolytic processing.,similarity: Belongs to the tumor necrosis factor family.,subunit: Homotrimer (Potential). Interacts with the angiogenic factor AGGF1/VG5Q.,subunit: Homotrimer .,tissue specificity: Expressed at high levels in transformed cell lines, cancers of colon, thyroid, lymphoid tissues and specifically expressed in monocytes and macrophages.,tissue specificity: 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.,

Research Area

Image Data

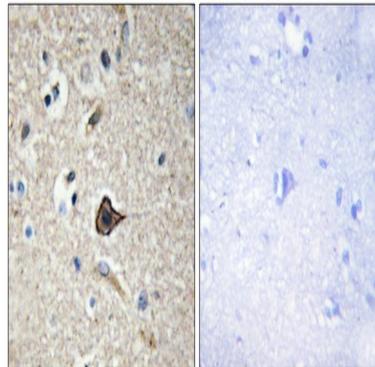


Immunofluorescence analysis of HeLa cells, using TNF12 Antibody. The picture on the right is blocked with the synthesized

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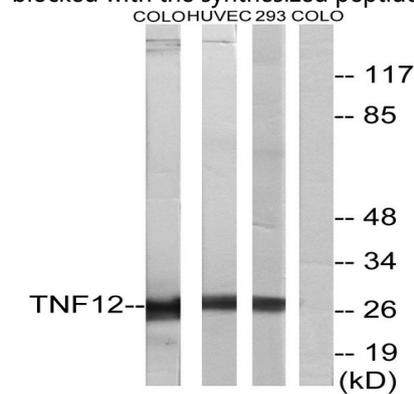


peptide.



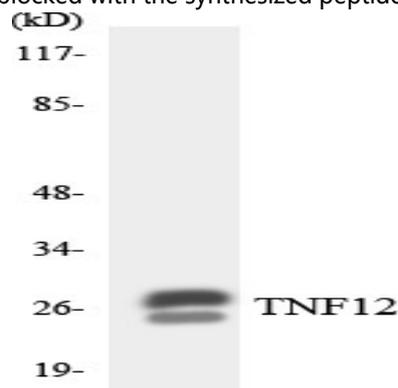
Immunohistochemistry analysis of paraffin-embedded human brain, using TNF12 Antibody. The picture on the right is

blocked with the synthesized peptide.



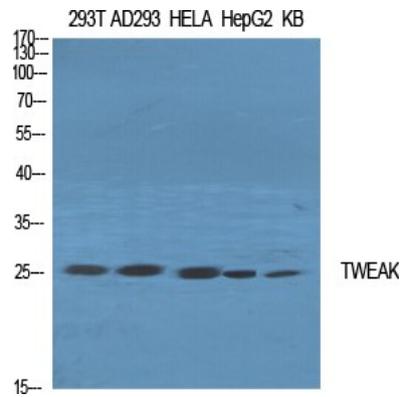
Western blot analysis of lysates from COLO205, HUVEC cells, and 293 cells, using TNF12 Antibody. The lane on the right is

blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using TNF12 antibody.

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Western Blot analysis of various cells using TWEAK Polyclonal Antibody diluted at 1 : 2000. Secondary antibody was diluted

at 1:20000



Western Blot analysis of 293 cells using TWEAK Polyclonal Antibody diluted at 1 : 2000. Secondary antibody was diluted at
1:20000

Note

For research use only.