

Product datasheet for **TA306313**

TWEAK (TNFSF12) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 ug/mL, ICC: 10 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	TWEAK antibody was raised against recombinant human TWEAK protein.
Formulation:	PBS containing 0.02% sodium azide.
Purification:	Purified IgG
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tumor necrosis factor superfamily member 12
Database Link:	NP_003800 Entrez Gene 21944 Mouse Entrez Gene 360548 Rat Entrez Gene 8742 Human O43508

Background: TNF-related weak inducer of apoptosis (TWEAK) is a member of the tumor necrosis factor superfamily (TNFSF) of structurally related cytokines. Like most other members of this family, TWEAK is a cell surface-associated type II transmembrane protein although a smaller, biologically active form can also be generated by cleavage near the cell membrane (1,2). TWEAK has multiple biological activities, including stimulation of cell growth and angiogenesis (3), induction of inflammatory cytokines (4), in addition to stimulation of apoptosis (5). The TWEAK signal transduction pathway has not been well established but it appears to signal via TweakR/Fn14 in a manner similar to that described for other TNFSF members that bind receptors lacking death domains (1). Despite its predicted molecular weight of 27kDa, TWEAK may migrate at aberrant positions in SDS-PAGE.

Synonyms: APO3L; DR3LG; TWEAK

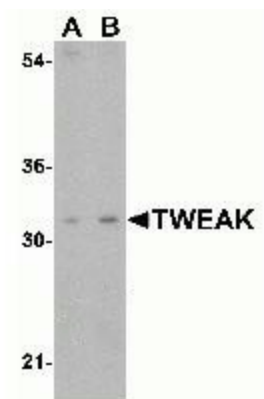


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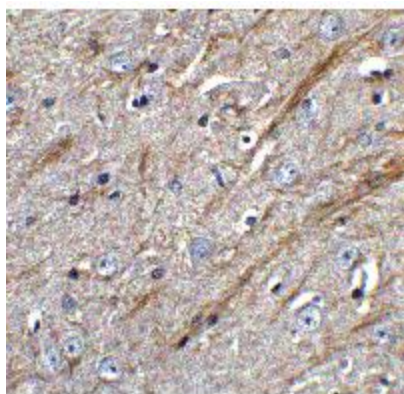
Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction

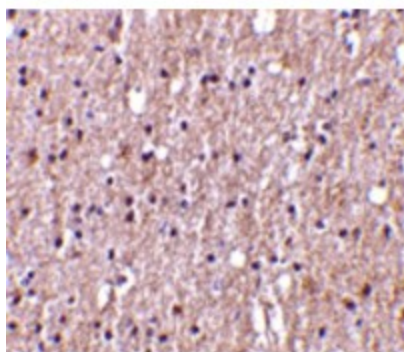
Product images:



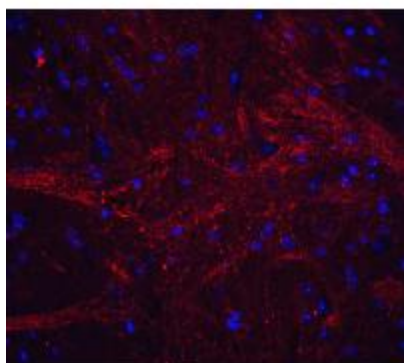
Western blot analysis of TWEAK in HeLa cell lysate with TWEAK antibody at (A) 1 and (B) 2ug/ml.



Immunohistochemistry of TWEAK in mouse brain tissue with TWEAK antibody at 5ug/ml.



Immunohistochemistry of TWEAK in human brain tissue with TWEAK antibody at 10ug/ml.



Immunofluorescence of TWEAK in mouse brain tissue with TWEAK antibody at 20ug/ml.