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Product datasheet for TA305942

TRAIL (TNFSF10) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 ug/mL, IHC: 20 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	TRAIL antibody was raised against a peptide corresponding to 17 amino acids near the carboxy terminus of human TRAIL. The immunogen is located within the last 50 amino acids of Trail.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Ion exchange chromatography purified
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 10
Database Link:	NP_003801 Entrez Gene 8743 Human P50591
Background:	Apoptosis, or programmed cell death, occurs during normal cellular differentiation and development of multicellular organisms. Apoptosis is induced by certain cytokines including TNF and Fas ligand in the TNF family through their death domain containing receptors, TNFR1 and Fas. A novel member in the TNF family was recently identified and designated TRAIL (for TNF-related apoptosis-inducing ligand) and Apo-2L (for Apo-2 ligand)1,TRAIL is a type II membrane protein and expressed in a variety of human tissues. Two novel death domain containing receptors DR4 and DR5 have been identified as the receptor for TRAIL3-6. Like TNF and Fas ligand, TRAIL induces apoptosis and NF-kappaB activation in many tissues and cells.

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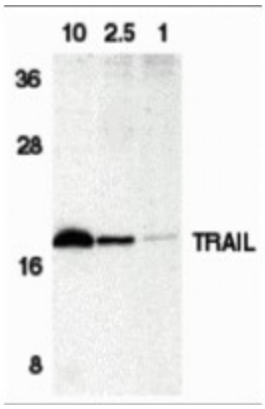
Synonyms: Apo-2L; APO2L; CD253; TL2; TRAIL

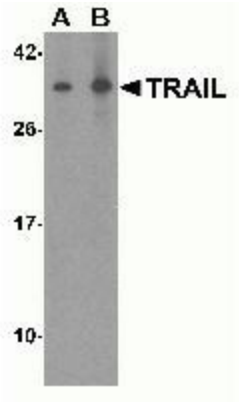
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Apoptosis, Cytokine-cytokine receptor interaction, Natural killer cell mediated cytotoxicity

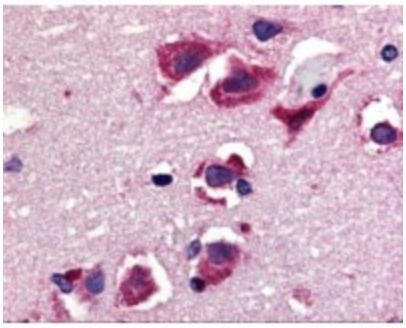
Product images:



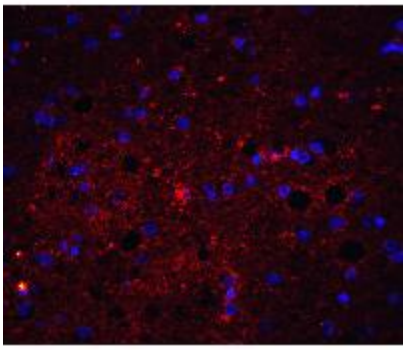
Western blot analysis of TRAIL in HeLa cell lysate containing 10, 2.5, or 1 ng of recombinant protein containing extracellular domain of TRAIL with TRAIL antibody at 1ug/ml.



Western blot analysis of TRAIL in human brain tissue lysate with TRAIL antibody at (A) 2.5 and (B) 5ug/ml.



Immunohistochemistry of TRAIL in human brain tissue with TRAIL antibody at 20ug/ml.



Immunofluorescence of TRAIL in human brain tissue with Trail antibody at 20ug/ml.