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TRAIL rabbit pAb

Cat No.:ES3637

For research use only

Overview

Product Name	TRAIL rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human TNFSF10. AA range:31-80
Specificity	TRAIL Polyclonal Antibody detects endogenous levels of TRAIL protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Tumor necrosis factor ligand superfamily member 10
Gene Name	TNFSF10
Cellular localization	Cell membrane ; Single-pass type II membrane protein . Secreted . Exists both as membrane-bound and soluble form. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	30kD
Human Gene ID	8743
Human Swiss-Prot Number	P50591
Alternative Names	TNFSF10; APO2L; TRAIL; Tumor necrosis factor ligand superfamily member 10; Apo-2 ligand; Apo-2L; TNF-related apoptosis-inducing ligand;

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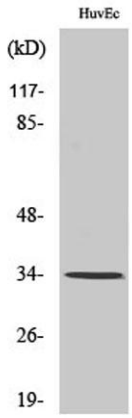
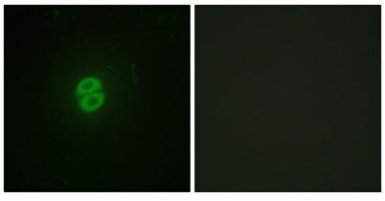
Background

Protein TRAIL; CD antigen CD253
The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein preferentially induces apoptosis in transformed and tumor cells, but does not appear to kill normal cells although it is expressed at a significant level in most normal tissues. This protein binds to several members of TNF receptor superfamily including TNFRSF10A/TRAILR1, TNFRSF10B/TRAILR2, TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4, and possibly also to TNFRSF11B/OPG. The activity of this protein may be modulated by binding to the decoy receptors TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4, and TNFRSF11B/OPG that cannot induce apoptosis. The binding of this protein to its receptors has been shown to trigger the activation of MAPK8/JNK, caspase 8, and caspase 3. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provi



Western Blot analysis of various cells using TRAIL Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

Immunofluorescence analysis of A549 cells, using CD253 Antibody. The picture on the right is blocked with the synthesized peptide.



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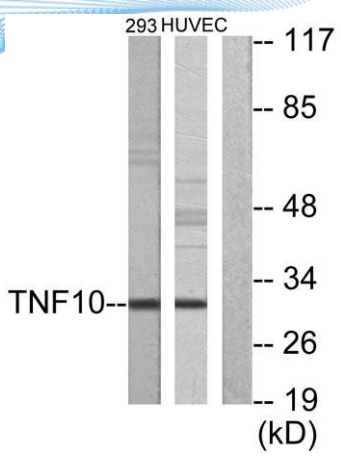

Western blot analysis of lysates from HUVEC cells and 293 cells, using CD253 Antibody. The lane on the right is blocked with the synthesized peptide.

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