

TRAIL Polyclonal Antibody

Catalog No: YT5511

Reactivity: Human; Rat; Mouse;

Applications: WB;IHC;IF;ELISA

Target: TRAIL

Fields: >>Cytokine-cytokine receptor interaction;>>Viral protein interaction with

cytokine and cytokine receptor;>>FoxO signaling

pathway;>>Apoptosis;>>Necroptosis;>>Natural killer cell mediated cytotoxicity;>>Pathogenic Escherichia coli infection;>>Salmonella

infection;>>Influenza A;>>Lipid and atherosclerosis

Gene Name: TNFSF10

Protein Name: Tumor necrosis factor ligand superfamily member 10

P50591

P50592

Human Gene Id: 8743

Human Swiss Prot

No:

Mouse Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized peptide derived from the

Internal region of 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.

Source: Polyclonal, Rabbit, IgG

Dilution : WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:20000.. IF 1:50-200

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.



Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 33kD

Cell Pathway: Cytokine-cytokine receptor interaction; Apoptosis_Inhibition; Apoptosis_Mitochon

drial; Apoptosis Overview; Natural killer cell mediated cytotoxicity;

Background: 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.

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Function: cofactor:Binds 1 zinc ion per trimer.,function:Cytokine that binds to

TNFRSF10A/TRAILR1, TNFRSF10B/TRAILR2, TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4 and possibly also to TNFRSF11B/OPG. Induces apoptosis. Its activity may be modulated by binding to the decoy receptors TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4 and TNFRSF11B/OPG that cannot induce apoptosis..similarity:Belongs to the tumor necrosis factor

family..subunit:Homotrimer.,tissue specificity:Widespread; most predominant in

spleen, lung and prostate.,

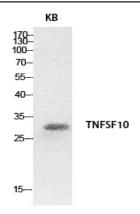
Subcellular Location:

Cell membrane ; Single-pass type II membrane protein . Secreted . Exists both

as membrane-bound and soluble form. .

Expression: Widespread; most predominant in spleen, lung and prostate.

Products Images



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