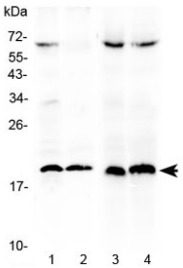
TRAIL Antibody (R32732)

Catalog No.	Formulation	Size
R32732	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P50592
Applications	Western blot: 0.5-1ug/ml
Limitations	This TRAIL antibody is available for research use only.



Western blot testing of 1) mouse Hepa1-6, 2) mouse NIH3T3, 3) rat PC12 and 4) rat NRK cell lysate with TRAIL antibody at 0.5ug/ml. Predicted molecular weight: ~34 kDa (TRAIL), ~20 kDa (soluble TRAIL).

Description

TNF-related apoptosis-inducing ligand (TRAIL), is a protein functioning as a ligand that induces the process of cell death called apoptosis. TRAIL has also been designated CD253 (cluster of differentiation 253). It is a member of Tumor Necrosis Factor Ligand Superfamily. In humans, the gene that encodes for TRAIL is located at chromosome 3q26. TRAIL has got 281 amino acid proteins. TRAIL mRNA is expressed at significant levels in most normal tissues. TRAIL binds to the death receptors DR4 (TRAIL-RI) and DR5 (TRAIL-RII) and the receptors DcR1 and DcR2, leading to activation of specific kinases and transcription of genes.

Application Notes

Optimal dilution of the TRAIL antibody should be determined by the researcher.

Immunogen

Amino acids Y39-N291 from the mouse protein were used as the immunogen for the TRAIL antibody.

Storage

After reconstitution, the TRAIL antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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