

Anti-TRAIL Picoband Antibody

Catalog # ABO12845

Product Information

Application	WB, E
Primary Accession	TNFSF10: P50591
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for TRAIL detection. Tested with WB, ELISA(Cap) in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Application Details	Western blot, 0.1-0.5 µg/ml ELISA(Cap), 0.1-0.5 µg/ml
Subcellular Localization	Membrane ; Single-pass type II membrane protein .
Tissue Specificity	Widespread; most predominant in spleen, lung and prostate.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	E. coli-derived human TRAIL recombinant protein (Position: N40-A272).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20° C for one year. After reconstitution, at 4° C for one month. It can also be aliquotted and stored frozen at -20° C for a longer time. Avoid repeated freezing and thawing.

Protein Information

Background

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.

Images



Figure 1. Western blot analysis of TRAIL using anti-TRAIL antibody (ABO12845). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. Lane 1: recombinant human TNFSF10 protein 1ng. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-TRAIL antigen affinity purified polyclonal antibody (Catalog # ABO12845) at 0.5 ug/mL overnight at 4 °C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for TRAIL at approximately 24KD. The expected band size for TRAIL is at 21KD.

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