

For Research Use Only

TRAIL/CD253 Polyclonal antibody, PBS Only

Catalog Number: 27064-1-PBS

Featured Product



Basic Information

Catalog Number:

27064-1-PBS

Size:

100ug, Concentration: 1mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25746

GenBank Accession Number:

BC032722

GeneID (NCBI):

8743

UNIPROT ID:

P50591

Full Name:

tumor necrosis factor (ligand) superfamily, member 10

Calculated MW:

281 aa, 33 kDa

Observed MW:

33 kDa, 20 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human

Background Information

TRAIL, also known as CD253 or TNFSF10 (tumor necrosis factor superfamily member 10), is a typical death ligand expressed on natural killer cells and cytotoxic T lymphocytes. 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. TRAIL induces apoptotic cell death in cancer by binding to its functional death receptors, death receptor (DR) 4 (TNFRSF10A/TRAIL-R1) and DR5 (TNFRSF10B/TRAIL-R2) to activate the extrinsic apoptosis pathway. TRAIL also activates c-Jun N-terminal kinase (MAPK8/JNK) and the transcription factor nuclear factor- κ B (NF κ B). The binding of this protein to its receptors has been shown to trigger the activation of MAPK8/JNK, caspase 8, and caspase 3.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

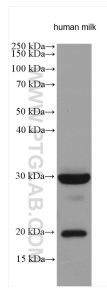
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

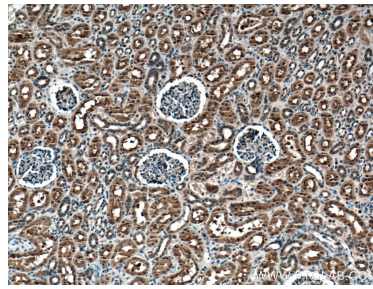
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

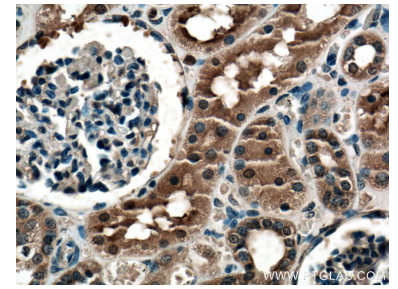
Selected Validation Data



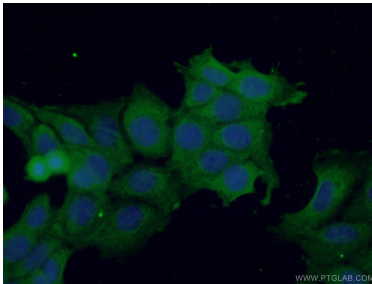
Human milk sample were subjected to SDS PAGE followed by western blot with 27064-1-AP (TRAIL antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 27064-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 27064-1-AP (TRAIL antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 27064-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 27064-1-AP (TRAIL antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 27064-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using 27064-1-AP (TRAIL antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 27064-1-PBS in a different storage buffer formulation.