

TRAIL Monoclonal antibody

Catalog Number: 66756-1-Ig 3 Publications

Basic Information

Catalog Number:

66756-1-Ig

Size:

1900 µg/ml

Source:

Mouse

Isotype:

IgG1

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:

28-30 kDa

Purification Method:

Protein A purification

CloneNo.:

1B9B4

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

Human

Cited Species:

human

Positive Controls:

WB : human milk tissue,

IHC : human tonsillitis tissue, human prostate cancer tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

TNFSF10/TRAIL (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. TNFSF10 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-κB (NF-κB). The binding of this protein to its receptors has been shown to trigger the activation of MAPK8/JNK, caspase 8, and caspase 3.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|--------------|-----------|-------------------------|-------------|
| Tian Xue | 36425649 | Front Bioeng Biotechnol | IF |
| Huan Hou | 33963815 | Adv Healthc Mater | |
| Changhong Ke | 32375399 | Cancers (Basel) | WB |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

T: 4006900926

E: Proteintech-CN@ptglab.com

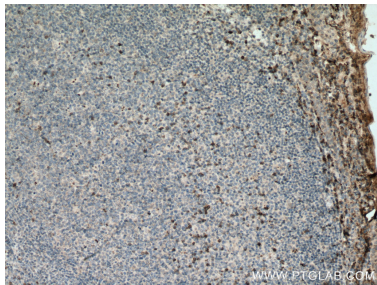
W: ptgcn.com

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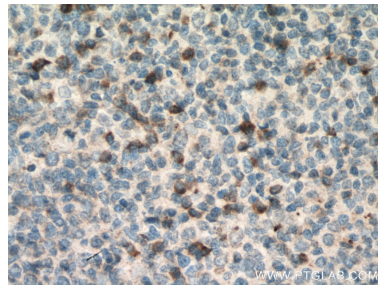
Selected Validation Data



human milk were subjected to SDS PAGE followed by western blot with 66756-1-Ig (TRAIL antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66756-1-Ig (TRAIL antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66756-1-Ig (TRAIL antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).