

For Research Use Only

TNFR2 / TNFRSF1B Polyclonal antibody



Catalog Number: 28746-1-AP

Basic Information

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|---|---|--|
| Catalog Number: 28746-1-AP | GenBank Accession Number: BC052977 | Purification Method: Antigen affinity purification |
| Size: 1000 µg/ml | GeneID (NCBI): 7133 | Recommended Dilutions: WB 1:1000-1:5000 IHC 1:50-1:500 IF 1:50-1:500 |
| Source: Rabbit | UNIPROT ID: P20333 | |
| Isotype: IgG | Full Name: tumor necrosis factor receptor superfamily, member 1B | |
| Immunogen Catalog Number: AG30490 | Calculated MW: 48 kDa | |
| | Observed MW: 75 kDa, 65 kDa | |

Applications

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| Tested Applications: IF/ICC, IHC, WB, ELISA | Positive Controls: WB : THP-1 cells, U-937 cells |
| Species Specificity: Human | IHC : human tonsillitis tissue, human spleen tissue |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | IF : THP-1 cells, |

Background Information

Tumor necrosis factor-alpha (TNFA/TNFSF2) is a multifunctional cytokine that plays a key role in regulating inflammation, immune functions, host defense, and apoptosis (PMID: 16407280). TNFA signals through two distinct cell surface receptors, TNFR1 (TNFRSF1A, CD120a, p55) and TNFR2 (TNFRSF1B, CD120b, p75). TNFR1 is widely expressed, whereas TNFR2 exhibits more restricted expression, being found on CD4 and CD8 T lymphocytes, endothelial cells, microglia, oligodendrocytes, neuron subtypes, cardiac myocytes, thymocytes and human mesenchymal stem cells (PMID: 20489699; 22374304). In contrast to TNFR1, TNFR2 does not have a death domain. TNFR2 only signals for antiapoptotic reactions. However, recent evidence indicates that TNFR2 also signals to induce TRAF2 degradation (PMID: 22374304). Various defects in the TNFR2 pathway, due to polymorphisms in the TNFR2 gene, upregulated expression of TNFR2 and TNFR2 shedding, have been implicated in the pathology of several autoimmune disorders (PMID: 20489699).

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:

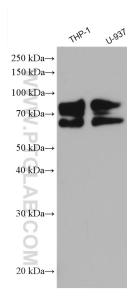
T: 4006900926

E: Proteintech-CN@ptglab.com

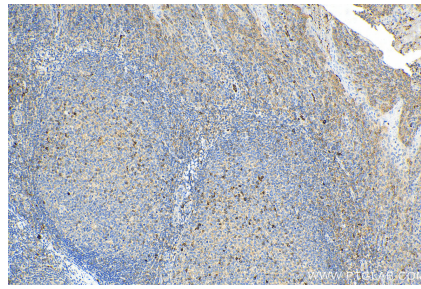
W: ptgcn.com

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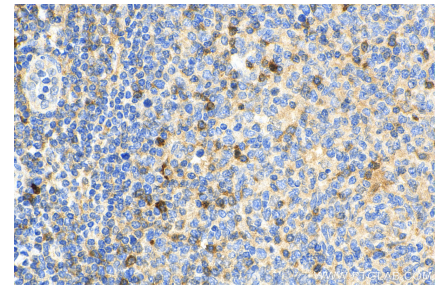
Selected Validation Data



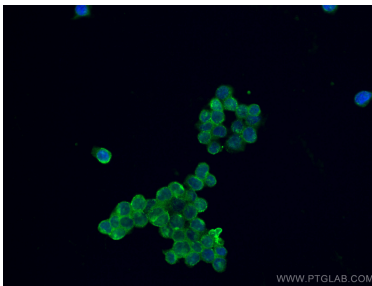
Various lysates were subjected to SDS PAGE followed by western blot with 28746-1-AP (TNFR2 / TNFRSF1B antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 28746-1-AP (TNFR2 / TNFRSF1B 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 28746-1-AP (TNFR2 / TNFRSF1B antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using TNFR2 / TNFRSF1B antibody (28746-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).