

IFI16 Monoclonal antibody

Catalog Number: 67790-1-Ig 1 Publications

Basic Information

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|--------------------------------------|---|--|
| Catalog Number: 67790-1-Ig | GenBank Accession Number: BC017059 | Purification Method: Protein G purification |
| Size: 1000 µg/ml | GeneID (NCBI): 3428 | CloneNo.: 1C10D7 |
| Source: Mouse | UNIPROT ID: Q16666 | Recommended Dilutions: WB 1:5000-1:50000 IHC 1:1000-1:4000 IF/ICC 1:200-1:800 |
| Isotype: IgG1 | Full Name: interferon, gamma-inducible protein 16 | |
| Immunogen Catalog Number: AG30314 | Calculated MW: 729 aa, 82 kDa Observed MW: 85-95 kDa | |

Applications

| | |
|--|---|
| Tested Applications: IF/ICC, IHC, WB, ELISA | Positive Controls: |
| Cited Applications: WB, IHC | WB : Jurkat cells, HeLa cells, MOLT-4 cells, Ramos cells, Daudi cells |
| Species Specificity: Human | IHC : human tonsillitis tissue, human renal cell carcinoma tissue |
| Cited Species: human | IF/ICC : HeLa cells, |
| 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

IFI16 is a member of a family of interferon-inducible nuclear proteins involved in transcriptional regulation functions as a transcriptional repressor. IFI16 may be involved in TP53-mediated transcriptional activation by enhancing TP53 sequence-specific DNA binding and modulating TP53 phosphorylation status. It has been reported that IFI16 participates in the regulation of autophagy, TP53-mediated cell death and innate immune response. IFI16 has different isoforms and 67790-1-Ig antibody detects proteins around 85-95 kDa in SDS-PAGE similar to papers. (PMID: 9718316, 14990579, 11146555, 22046441)

Notable Publications

| Author | Pubmed ID | Journal | Application |
|--------|-----------|--------------|-------------|
| Ke Lu | 38831470 | J Transl Med | WB, IHC |

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

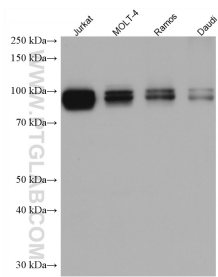
For technical support and original validation data for this product please contact:

T: 4006900926

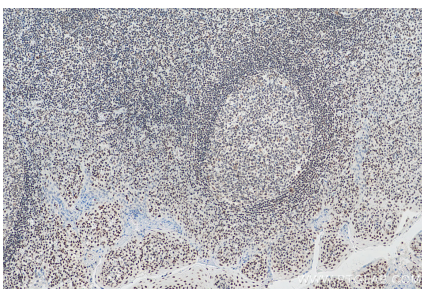
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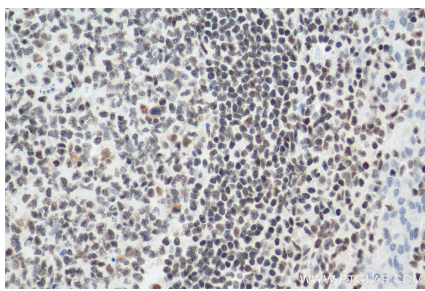
Selected Validation Data



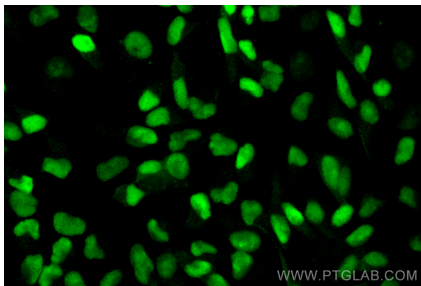
Various lysates were subjected to SDS PAGE followed by western blot with 67790-1-Ig (IF116 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67790-1-Ig (IF116 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67790-1-Ig (IF116 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using IF116 antibody (67790-1-Ig, Clone: 1C10D7) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).