

For Research Use Only

IFI16 Monoclonal antibody

Catalog Number: 67790-1-Ig **1 Publications**



Basic Information

Catalog Number: 67790-1-Ig	GenBank Accession Number: BC017059	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	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: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : Jurkat cells, HeLa cells, MOLT-4 cells, Ramos cells, Daudi cells IHC : human tonsillitis tissue, human renal cell carcinoma tissue IF/ICC : HeLa cells,
Cited Applications: WB, IHC	
Species Specificity: Human	
Cited Species: human	
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

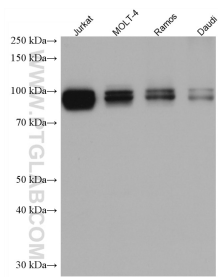
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

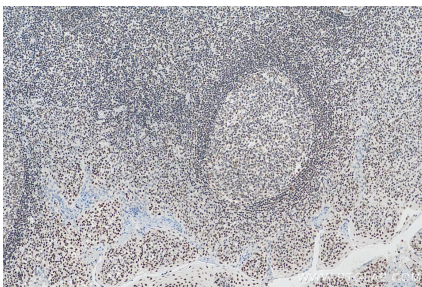
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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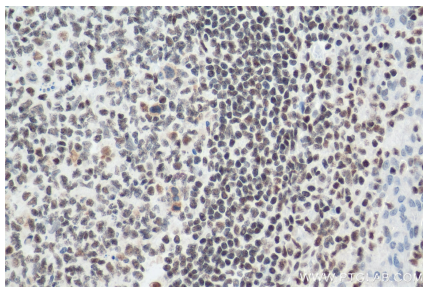
Selected Validation Data



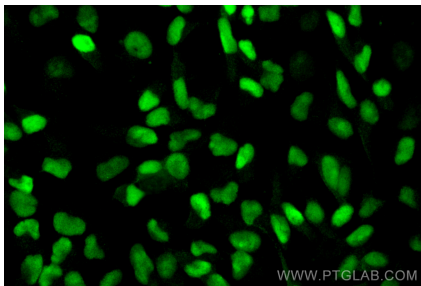
Various lysates were subjected to SDS PAGE followed by western blot with 67790-1-Ig (IF116 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



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 Goat Anti-Mouse IgG(H+L).