

For Research Use Only

# IFI16 Monoclonal antibody, PBS Only

Catalog Number: 67790-1-PBS



## Basic Information

<b>Catalog Number:</b> 67790-1-PBS	<b>GenBank Accession Number:</b> BC017059	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3428	<b>CloneNo.:</b> 1C10D7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q16666	
<b>Isotype:</b> IgG1	<b>Full Name:</b> interferon, gamma-inducible protein 16	
<b>Immunogen Catalog Number:</b> AG30314	<b>Calculated MW:</b> 729 aa, 82 kDa	
	<b>Observed MW:</b> 85-95 kDa	

## Applications

**Tested Applications:**  
WB, IF, IHC, ELISA

**Species Specificity:**  
Human

## 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)

## Storage

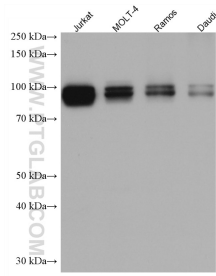
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only

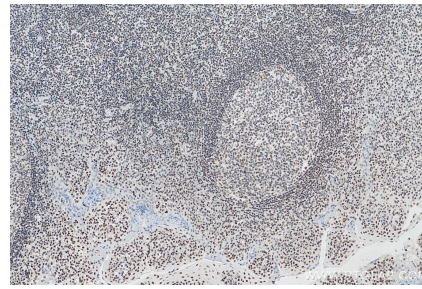
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com      W: ptglab.com

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

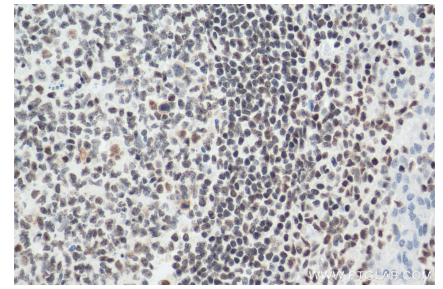
## Selected Validation Data



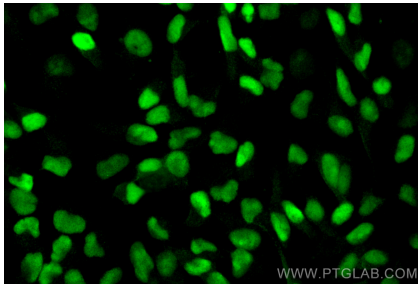
Various lysates were subjected to SDS PAGE followed by western blot with 67790-1-Ig (IF116 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67790-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67790-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67790-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67790-1-PBS in a different storage buffer formulation.