

For Research Use Only

IRF3 Monoclonal antibody, PBS Only

Catalog Number: 66670-1-PBS



Basic Information

Catalog Number: 66670-1-PBS	GenBank Accession Number: BC009395	Purification Method: Protein G purification
Concentration: 1mg/ml	GeneID (NCBI): 3661	CloneNo.: 1E6G8
Source: Mouse	UNIPROT ID: Q14653	
Isotype: IgG1	Full Name: interferon regulatory factor 3	
Immunogen Catalog Number: AG27223	Calculated MW: 47 kDa	
	Observed MW: 50-60 kDa	

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human

Background Information

The virus-induced expression of interferon (IFN) genes in infected cells implicates in the interplay of several constitutively expressed and virus-activated transcription factors. A family of IFN regulatory factors (IRFs) have been shown to have a role in the transcription of IFN genes as well as IFN-stimulated genes. IRF3 is a novel key transcriptional regulator of type I IFN-dependent immune responses and involves in the innate immune response against DNA and RNA viruses, by binding to the promoters of IFN. It is located in the cytoplasm of uninfected cells in an inactive form, and following viral infection, double-stranded RNA (dsRNA), or toll-like receptor (TLR) signaling, could be phosphorylated by IKKε and TBK1 kinases. This induces a conformational change, leading to its dimerization, nuclear localization and association with CREB binding protein (CREBBP) to form dsRNA-activated factor 1 (DRAF1), a complex which activates the transcription of the type I IFN and ISG genes.

Storage

Storage:
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

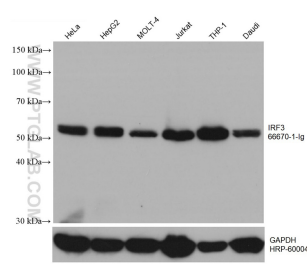
T: 4006900926

E: Proteintech-CN@ptglab.com

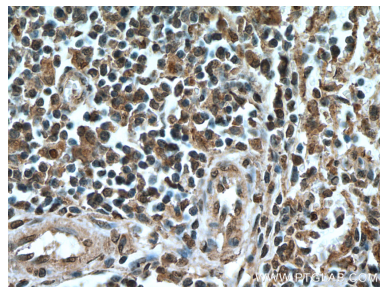
W: ptgcn.com

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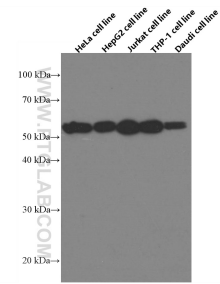
Selected Validation Data



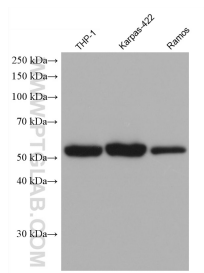
Various lysates were subjected to SDS PAGE followed by western blot with 66670-1-Ig (IRF3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 66670-1-PBS in a different storage buffer formulation.



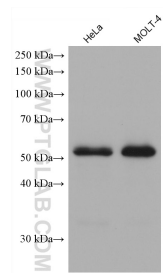
Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 66670-1-Ig (IRF3 antibody) at dilution of 1:500 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66670-1-PBS in a different storage buffer formulation.



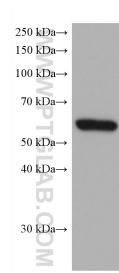
Various lysates were subjected to SDS PAGE followed by western blot with 66670-1-Ig (IRF3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66670-1-PBS in a different storage buffer formulation.



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Various lysates were subjected to SDS PAGE followed by western blot with 66670-1-Ig (IRF3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66670-1-PBS in a different storage buffer formulation.



A431 cells were subjected to SDS PAGE followed by western blot with 66670-1-Ig (IRF3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66670-1-PBS in a different storage buffer formulation.