

IRF9 Recombinant antibody

Catalog Number: 85160-2-RR

Basic Information

Catalog Number:	85160-2-RR	GenBank Accession Number:	BC035716	Purification Method:	Protein A purification
Concentration:	1000 µg/ml	GeneID (NCBI):	10379	CloneNo.:	242772F12
Source:	Rabbit	UNIPROT ID:	Q00978	Recommended Dilutions:	WB: 1:5000-1:50000 IHC: 1:250-1:1000
Isotype:	IgG	Full Name:	IRF 9		
Immunogen Catalog Number:	AG5365	Calculated MW:	393 aa, 44 kDa		
		Observed MW:	44-48 kDa		

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, MCF-7 cells, THP-1 cells, A549 cells

IHC : human cervical cancer tissue,

Background Information

IRF9 also named ISGF3 is a transcription regulatory factor that mediates signaling by type I IFNs (IFN-alpha and IFN-beta). Following type I IFN binding to cell surface receptors, Jak kinases (TYK2 and JAK1) are activated, leading to tyrosine phosphorylation of STAT1 and STAT2. The phosphorylated STATs dimerize, associate with IRF9/ISGF3G to form a complex termed ISGF3 transcription factor, that enters the nucleus. ISGF3 binds to the IFN stimulated response element (ISRE) to activate the transcription of IFN stimulated genes, which drive the cell in an antiviral state.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

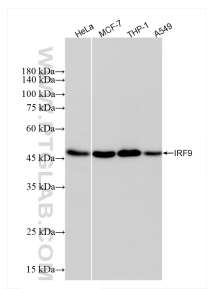
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E: Proteintech-CN@ptglab.com

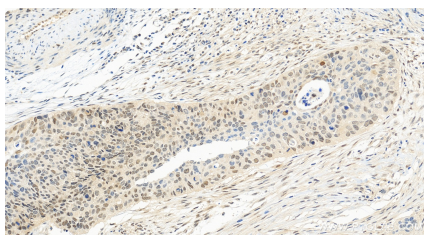
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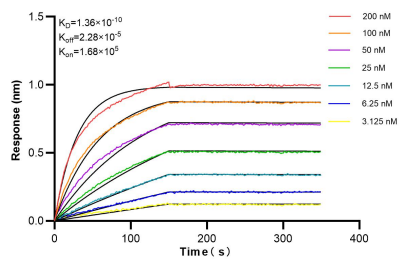
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85160-2-RR (IRF9 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 85160-2-RR (IRF9 antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 85160-2-RR against Human IRF9 were performed. The affinity constant is 0.136 nM.