

For Research Use Only

# IRF7 Polyclonal antibody

Catalog Number: 22392-1-AP

20 Publications



## Basic Information

<b>Catalog Number:</b> 22392-1-AP	<b>GenBank Accession Number:</b> BC136555	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3665	<b>Recommended Dilutions:</b> WB 1:2000-1:16000 IHC 1:250-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q92985	
<b>Isotype:</b> IgG	<b>Full Name:</b> IRF 7	
<b>Immunogen Catalog Number:</b> AG18059	<b>Calculated MW:</b> 516 aa, 56 kDa	
	<b>Observed MW:</b> 55 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IHC, IF	<b>WB :</b> HEK-293 cells, mouse kidney tissue, rat kidney tissue
<b>Species Specificity:</b> human, mouse	<b>IHC :</b> mouse skin tissue,
<b>Cited Species:</b> human, mouse, paralichthys olivaceus, duck	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

IRF-7 (IFN regulatory factor 7) is a member of the IFN regulatory transcription factor (IRF) family. IRF-7 has been shown to play a role in the transcriptional activation of virus-inducible cellular proteins, including IFN beta chain proteins. Inducible expression of IRF-7 is largely restricted to lymphoid tissue. Four transcript variants encoding distinct isoforms (A,B,C and D) have been identified for this (PMID:9786932).The active IRF7A exists as a dimer form ~80 kDa(PMID:11073981). The MW 67-70 kDa has been reported in some papers (PMID:9786932; 22951831).Various posttranslational modifications of IRF7 including phosphorylation, ubiquitination, sumoylation and acetylation are identified (PMID:22951831).This antibody is a rabbit polyclonal antibody raised against the C-terminal 349 amino acid residues of human IRF7 D. The molecular weight of Nonphosphorylated IRF7 cofractionated with the 44-kDa marker, approximating its predicted size. In contrast, phosphorylated IRF7, which migrate more slowly on SDS-PAGE. This phosphorylated IRF7 was consistent with a size of 80 to 90 kDa. (PMID: 11073981)

## Notable Publications

Author	Pubmed ID	Journal	Application
Wei Cao	34011520	J Immunol	WB
Zhangchuan Xia	28356387	J Immunol	WB
Xiao-Ming Lyu	29956500	Cancer Med	WB

## Storage

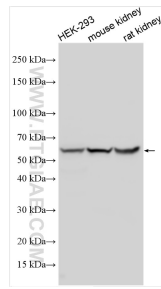
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

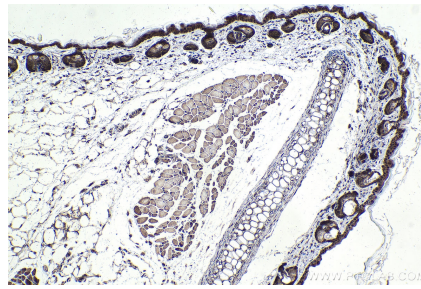
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 22392-1-AP (IRF7 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skin tissue slide using 22392-1-AP (IRF7 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).