

# IRF7 Polyclonal antibody

Catalog Number: 22392-1-AP

11 Publications

## Basic Information

## Catalog Number:

22392-1-AP

## Size:

500 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG18059

## GenBank Accession Number:

BC136555

## GeneID (NCBI):

3665

## UNIPROT ID:

Q92985

## Full Name:

IRF 7

## Calculated MW:

516 aa, 56 kDa

## Observed MW:

55 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:250-1:1000

## Applications

## Tested Applications:

IHC, WB, ELISA

## Cited Applications:

IF, IHC, WB

## Species Specificity:

human, mouse

## Cited Species:

human, *Paralichthys olivaceus*, mouse

**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 : HEK-293 cells,

IHC : mouse skin tissue,

## 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

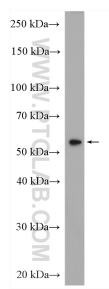
For technical support and original validation data for this product please contact:

T: 4006900926

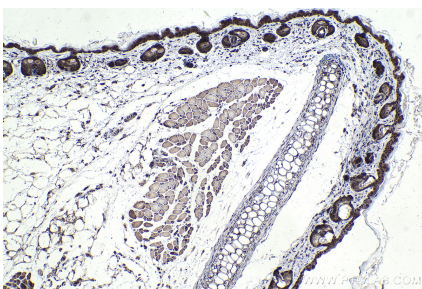
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## Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 22392-1-AP (IRF7 antibody) at dilution of 1:2000 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).