For Research Use Only

IRF7 Polyclonal antibody

Catalog Number:22392-1-AP 25 Publications

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Basic Information

Catalog Number:
22392-1-AP

Concentration:
500 ug/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: 1:2000-1:16000
IHC: 1:250-1:1000

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
human, mouse

Cited Species:
human, mouse, pig, duck, paralichthys olivaceus

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, mouse kidney tissue, rat kidney tissue

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

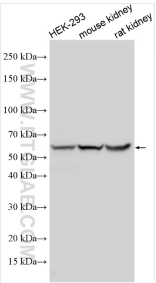
Author	Pubmed ID	Journal	Application
Wei Cao	34011520	J Immunol	WB
Zhangchuan Xia	28356387	J Immunol	WB
Xiao-Ming Lyu	29956500	Cancer Med	WB

Storage

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

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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).