

For Research Use Only

IRF7 Polyclonal ANTIBODY



Catalog Number: 22392-1-AP **5 Publications**

Basic Information

Catalog Number:

22392-1-AP

Size:

150UL, Concentration: 347 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18059

GenBank Accession Number:

BC136555

GeneID (NCBI):

3665

Full Name:

IRF 7

Calculated MW:

516 aa, 56 kDa

Observed MW:

80 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IHC 1:20-1:200

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human, 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,

IP: HEK-293 cells,

IHC: human tonsillitis 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
Zhangchuan Xia	28356387	J Immunol	WB
Xiao-Ming Lyu	29956500	Cancer Med	WB
Xiao Gang Weng	26119170	J Vet Sci	WB

Storage

Storage:

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

Storage Buffer:

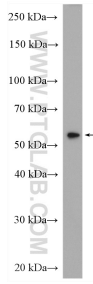
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

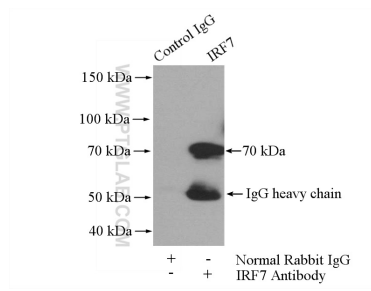
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

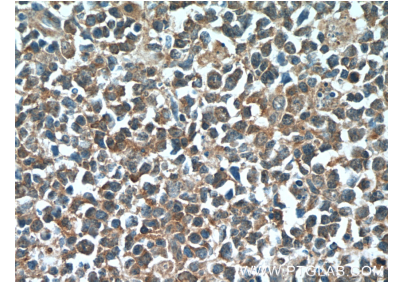
Selected Validation Data



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.



IP Result of anti-IRF7 (IP:22392-1-AP, 4ug; Detection:22392-1-AP 1:600) with HEK-293 cells lysate 3200ug.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 22392-1-AP (IRF7 Antibody) at dilution of 1:50 (under 40x lens).