

For Research Use Only

IRF7 Polyclonal antibody

Catalog Number: 22392-1-AP **7 Publications**



Basic Information

Catalog Number: 22392-1-AP	GenBank Accession Number: BC136555	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 500 µg/ml by Nanodrop and 347 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3665	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:20-1:200
Source: Rabbit	Full Name: IRF 7	
Isotype: IgG	Calculated MW: 516 aa, 56 kDa	
Immunogen Catalog Number: AG18059	Observed MW: 55 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HEK-293 cells, IHC : human tonsillitis tissue,
Cited Applications: WB	
Species Specificity: human, mouse	
Cited Species: human, mouse, 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

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

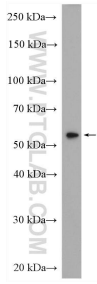
Storage

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

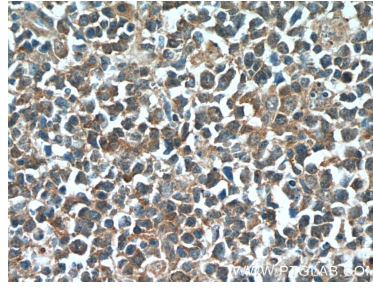
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Selected Validation Data



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