

IRF7 antibody

Product Information

Catalog No.:	FNab04394
Size:	100μg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Key transcriptional regulator of type I interferon(IFN)-dependent immune responses and plays a critical role in the innate immune response against DNA and RNA viruses. Regulates the transcription of type I IFN genes(IFN-alpha and IFN-beta) and IFN-stimulated genes(ISG) by binding to an interferon-stimulated response element(ISRE) in their promoters. Can efficiently activate both the IFN-beta(IFNB) and the IFN-alpha(IFNA) genes and mediate their induction via both the virus-activated, MyD88-independent pathway and the TLR-activated, MyD88-dependent pathway. Required during both the early and late phases of the IFN gene induction but is more critical for the late than for the early phase. Exists in an inactive form in the cytoplasm of uninfected cells and following viral infection, double-stranded RNA(dsRNA), or toll-like receptor(TLR) signaling, becomes phosphorylated by IKKε and TBK1 kinases. This induces a conformational change, leading to its dimerization and nuclear localization where along with other coactivators it can activate transcription of the type I IFN and ISG genes. Can also play a role in regulating adaptive immune responses by inducing PSMB9/LMP2 expression, either directly or through induction of IRF1. Binds to the Q promoter(Qp) of EBV nuclear antigen 1 a(EBNA1) and may play a role in the regulation of EBV latency. Can activate distinct gene expression programs in macrophages and regulate the anti-tumor properties of primary macrophages.

Immunogen information

Immunogen:	interferon regulatory factor 7
Synonyms:	Interferon regulatory factor 7 (IRF-7) IRF7

Observed MW: 80 kDa
Uniprot ID : Q92985

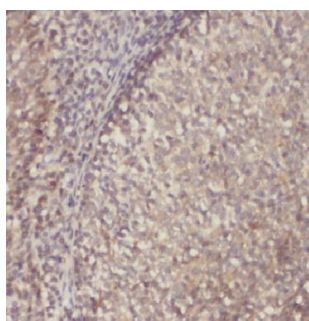
Application

Reactivity: Human

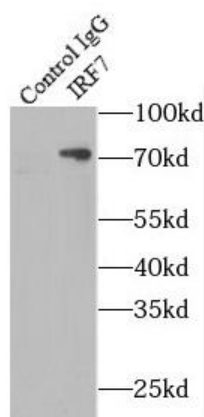
Tested Application: ELISA, WB, IHC, IP

Recommended dilution: WB: 1:500-1:2000; IP: 1:200-1:1000; IHC: 1:20-1:200

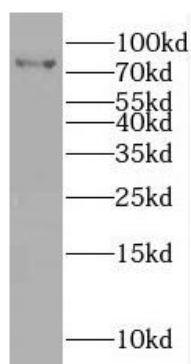
Image:



Immunohistochemistry of paraffin-embedded human tonsillitis tissue slide using FNab04394(IRF7 Antibody) at dilution of 1:50



IP Result of anti-IRF7 (IP:FNab04394, 4ug; Detection:FNab04394 1:600) with HEK-293 cells lysate 3200ug.



HEK-293 cells were subjected to SDS PAGE followed by western blot with FNab04394(IRF7 Antibody) at dilution of 1:600