

## IFIH1 antibody

### Product Information

Catalog No.:	FNab04134
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

Innate immune receptor which acts as a cytoplasmic sensor of viral nucleic acids and plays a major role in sensing viral infection and in the activation of a cascade of antiviral responses including the induction of type I interferons and proinflammatory cytokines. Its ligands include mRNA lacking 2'-O-methylation at their 5' cap and long-dsRNA(>1 kb in length). Upon ligand binding it associates with mitochondria antiviral signaling protein(MAVS/IPS1) which activates the IKK-related kinases: TBK1 and IKKε which phosphorylate interferon regulatory factors: IRF3 and IRF7 which in turn activate transcription of antiviral immunological genes, including interferons(IFNs); IFN-α and IFN-β. Responsible for detecting the Picornaviridae family members such as encephalomyocarditis virus(EMCV) and mengo encephalomyocarditis virus(ENMG). Can also detect other viruses such as dengue virus(DENV), west Nile virus(WNV), and reovirus. Also involved in antiviral signaling in response to viruses containing a dsDNA genome, such as vaccinia virus. Plays an important role in amplifying innate immune signaling through recognition of RNA metabolites that are produced during virus infection by ribonuclease L(RNase L). May play an important role in enhancing natural killer cell function and may be involved in growth inhibition and apoptosis in several tumor cell lines.

### Immunogen information

Immunogen:	interferon induced with helicase C domain 1
Synonyms:	Interferon-induced helicase C domain-containing protein 1 Clinically amyopathic dermatomyositis autoantigen 140 kDa (CADM-140 autoantigen) Helicase with 2 CARD domains (Helicard) Interferon-induced with helicase C domain protein 1 Melanoma differentiation-

associated protein 5 (MDA-5)|Murabutide down-regulated protein|RIG-I-like receptor 2 (RLR-2)|RNA helicase-DEAD box protein  
116|IFIH1|MDA5|RH116

Observed MW: 117-125 kDa

Uniprot ID : Q9BYX4

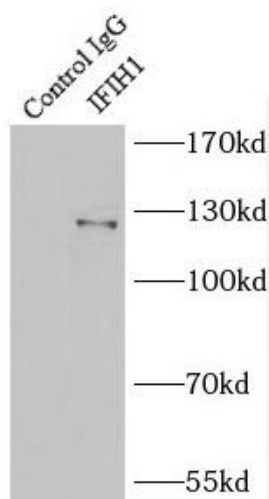
## Application

Reactivity: Human

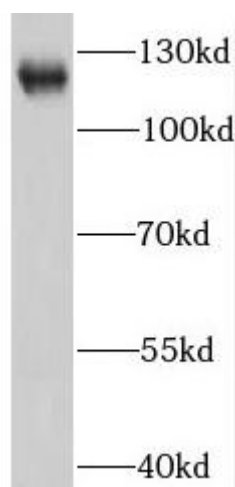
Tested Application: ELISA, WB, IP

Recommended dilution: WB: 1:500-1:2000; IP: 1:200-1:2000

Image:



IP result of anti-IFIH1(IP:FNab04134, 4ug;  
Detection:FNab04134 1:300) with Jurkat cells  
lysate 4000 ug



Jurkat cells were subjected to SDS PAGE followed  
by western blot with FNab04134(IFIH1 antibody)  
at dilution of 1:1500