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anti-IFIH1 antibody (C-Term)

Images



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Quantity:	100 μL	
Target:	IFIH1	
Binding Specificity:	C-Term	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This IFIH1 antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)	
Product Details		
Immunogen:	A synthesized peptide derived from human IFIH1, corresponding to a region within C-terminal amino acids.	
Isotype:	IgG	
Specificity:	IFIH1 Antibody detects endogenous levels of total IFIH1.	
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog	
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).	

Target Details

Target: IFIH1

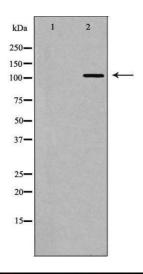
Target Details

Alternative Name:	IFIH1 (IFIH1 Products)	
Background:	Description: 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 IKBKE which phosphorylate interferon	
	regulatory factors: IRF3 and IRF7 which in turn activate transcription of antiviral immunological	
	genes, including interferons (IFNs), IFN-alpha and IFN-beta. 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.	
	Gene: IFIH1	
Molecular Weight:	117kDa	
Gene ID:	64135	
UniProt:	Q9BYX4	
Pathways:	Activation of Innate immune Response	
Application Details		
Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 mg/mL	
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.	

Handling

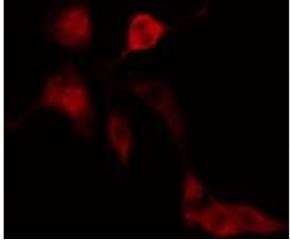
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	-20 °C	
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.	
Expiry Date:	12 months	

Images



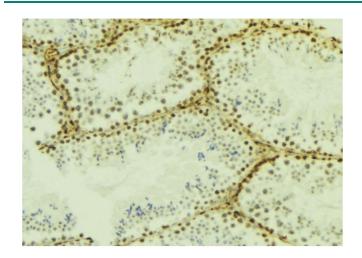
Western Blotting

Image 1. Western blot analysis of extracts of Jurkat, using IFIH1 antibody. The lane on the left is treated with the antigen-specific peptide.



Immunofluorescence (fixed cells)

Image 2. ABIN6277185 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25¡ãC. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37¡ãC. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Cat.# S0006), diluted at 1/600, was used as secondary antibod



Immunohistochemistry

Image 3. ABIN6277185 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at $22_i\tilde{a}C$. An HRP conjugated goat anti-rabbit antibody was used as the secondary