

Datasheet for ABIN7156652
anti-IFIH1 antibody (AA 700-1025) (Biotin)



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Overview

Quantity:	100 µg
Target:	IFIH1
Binding Specificity:	AA 700-1025
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IFIH1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Interferon-induced helicase C domain-containing protein 1 protein (700-1025AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	IFIH1
Alternative Name:	IFIH1 (IFIH1 Products)
Background:	Background: Innate immune receptor which acts as a cytoplasmic sensor of viral nucleic acids

Target Details

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.

Aliases: CADM-140 autoantigen antibody, Clinically amyopathic dermatomyositis autoantigen 140 kDa antibody, DEAD/H (Asp Glu Ala Asp/His) box polypeptide antibody, DEAD/H box polypeptide antibody, Helicard antibody, Helicase with 2 CARD domains antibody, Hlcd antibody, IDDM 19 antibody, IDDM19 antibody, IFIH 1 antibody, Ifih1 antibody, IFIH1_HUMAN antibody, Interferon induced helicase C domain containing protein 1 antibody, interferon induced with helicase C domain 1 antibody, Interferon induced with helicase C domain protein 1 antibody, Interferon-induced helicase C domain-containing protein 1 antibody, Interferon-induced with helicase C domain protein 1 antibody, MDA 5 antibody, MDA-5 antibody, Melanoma differentiation associated protein 5 antibody, Melanoma differentiation-associated gene 5 antibody, Melanoma differentiation-associated protein 5 antibody, MGC133047 antibody, Murabutide down regulated protein antibody, Murabutide down-regulated protein antibody, RH 116 antibody, RH116 antibody, RIG I like receptor 2 antibody, RLR 2 antibody, RNA helicase DEAD box protein 116 antibody, RNA helicase-DEAD box protein 116 antibody

UniProt: [Q9BYX4](#)

Pathways: [Activation of Innate immune Response](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.