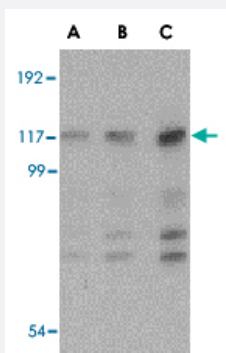


IFIH1 polyclonal antibody

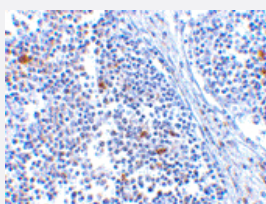
Catalog # PAB13247 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of IFIH1 in Daudi cell lysate with IFIH1 polyclonal antibody (Cat # PAB13247) at (A) 1, (B) 2 and (C) 4 ug/mL .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of IFIH1 in human lymph node tissue with IFIH1 polyclonal antibody (Cat # PAB13247) at 5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of IFIH1.
Immunogen	A synthetic peptide corresponding to internal region 16 amino acids of human IFIH1.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of IFIH1 in Daudi cell lysate with IFIH1 polyclonal antibody (Cat # PAB13247) at (A) 1, (B) 2 and (C) 4 ug/mL .

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of IFIH1 in human lymph node tissue with IFIH1 polyclonal antibody (Cat # PAB13247) at 5 ug/mL .

Gene Info — IFIH1

Entrez GeneID	64135
Protein Accession#	NP_071451
Gene Name	IFIH1
Gene Alias	Hlcd, IDDM19, MDA-5, MDA5, MGC133047
Gene Description	interferon induced with helicase C domain 1
Omim ID	606951 610155
Gene Ontology	Hyperlink
Gene Summary	DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein that is upregulated in response to treatment with beta-interferon (IFNB) and a protein kinase C-activating compound, mezerein (MEZ). Irreversible reprogramming of melanomas can be achieved by treatment with both these agents; treatment with either agent alone only achieves reversible differentiation. [provided by RefSeq]
Other Designations	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide helicard melanoma differentiation associated protein-5

Publication Reference

- [Manipulation of the nuclear factor-kappaB pathway and the innate immune response by viruses.](#)

Hiscott J, Nguyen TL, Arguello M, Nakhaei P, Paz S.

Oncogene 2006 Oct; 25(51):6844.

Application: WB-Tr, Human, Human mammalian cells, Tumors

- [Pathogen recognition and innate immunity.](#)

Akira S, Uematsu S, Takeuchi O.

Cell 2006 Feb; 124(4):783.

- [The V proteins of paramyxoviruses bind the IFN-inducible RNA helicase, mda-5, and inhibit its activation of the IFN-beta promoter.](#)

Andrejeva J, Childs KS, Young DF, Carlos TS, Stock N, Goodbourn S, Randall RE.

PNAS 2004 Nov; 101(49):17264.

Disease

- [Addison Disease](#)
- [Arthritis](#)
- [Autoimmune Diseases](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Encephalomyelitis](#)
- [Genetic Predisposition to Disease](#)
- [Graves Disease](#)
- [Graves Ophthalmopathy](#)

- [Hashimoto Disease](#)
- [IgA Deficiency](#)
- [Lupus Erythematosus](#)
- [Multiple Sclerosis](#)
- [Prostatic Neoplasms](#)
- [Psoriasis](#)
- [Subacute Sclerosing Panencephalitis](#)
- [Thyroiditis](#)