10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

IFI27 Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22279b

Product Information

Application	WB, E
Primary Accession	P40305
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB56773
Calculated MW	11542

Additional Information

Gene ID	3429
Other Names	Interferon alpha-inducible protein 27, mitochondrial, p27, Interferon alpha-induced 11.5 kDa protein, Interferon-stimulated gene 12a protein, ISG12(a), IFI27
Target/Specificity	This IFI27 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 72-106 amino acids from human IFI27.
Dilution	WB~~1:500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	IFI27 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	IFI27 (HGNC:5397)
Function	Probable adapter protein involved in different biological processes (PubMed:22427340, PubMed:27194766). Part of the signaling pathways that lead to apoptosis (PubMed:18330707, PubMed:24970806, PubMed:27673746). Involved in type-I interferon-induced apoptosis characterized by a rapid and robust release of cytochrome C from the mitochondria and activation of BAX

	and caspases 2, 3, 6, 8 and 9 (PubMed:18330707, PubMed:27673746). Also functions in TNFSF10-induced apoptosis (PubMed:24970806). May also have a function in the nucleus, where it may be involved in the interferon-induced negative regulation of the transcriptional activity of NR4A1, NR4A2 and NR4A3 through the enhancement of XPO1-mediated nuclear export of these nuclear receptors (PubMed:22427340). May thereby play a role in the vascular response to injury (By similarity). In the innate immune response, has an antiviral activity towards hepatitis C virus/HCV (PubMed:27194766, PubMed:27777077). May prevent the replication of the virus by recruiting both the hepatitis C virus non-structural protein 5A/NS5A and the ubiquitination machinery via SKP2, promoting the ubiquitin- mediated proteasomal degradation of NS5A (PubMed:27194766, PubMed:27777077). Also promotes virus-induced pyroptosis by activating CASP3 in the mitochondria after 'Lys-6'-linked ubiquitination by TRIM21 (PubMed:36426955).
Cellular Location	Mitochondrion membrane; Multi-pass membrane protein. Nucleus inner membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Note=Exclusive localizations in either the nucleus or the mitochondrion have been reported.

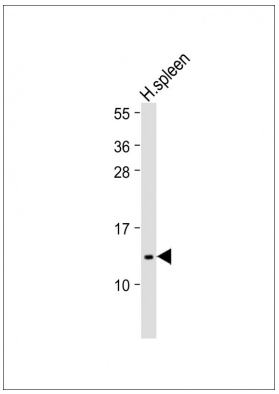
Background

Promotes cell death. Mediates IFN-induced apoptosis characterized by a rapid and robust release of cytochrome C from the mitochondria and activation of BAX and caspases 2, 3, 6, 8 and 9.

References

Rasmussen U.B.,et al.Cancer Res. 53:4096-4101(1993).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Parker N.,et al.BMC Genomics 5:8-8(2004).
Rosebeck S.,et al.Apoptosis 13:562-572(2008).

Images



Anti-IFI27 Antibody (C-Term) at 1:500 dilution + Human spleen lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 11 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.