

Product datasheet

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ARG42170 anti-IFI27 antibody

Package: 100 μl Store at: -20°C

Summary

Host

Isotype

Product Description Rabbit Polyclonal antibody recognizes IFI27

Rabbit

IgG

Tested Reactivity Hu
Tested Application WB

Clonality Polyclonal

Target Name IFI27

Species Human

Immunogen KLH-conjugated synthetic peptide between aa. 72-106 of Human IFI27.

Conjugation Un-conjugated

Alternate Names a; Interferon alpha-inducible protein 27, mitochondrial; ISG12A; Interferon-stimulated gene 12a

protein; p27; P27; ISG12; FAM14D; Interferon alpha-induced 11.5 kDa protein

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|----------|
| | WB | 1:500 |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |
| Positive Control | Human spleen | |
| Observed Size | ~ 13 kDa | |

Properties

Form Liquid

Purification Purification with Protein A and immunogen peptide.

Buffer PBS and 0.09% (W/V) Sodium azide.

Preservative 0.09% (W/V) Sodium azide

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol

IFI27

Gene Full Name

interferon, alpha-inducible protein 27

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:27673746, PubMed:24970806). 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). [UniProt]

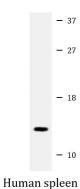
Calculated Mw

12 kDa

Cellular Localization

Mitochondrion. Membrane; Multi-pass membrane protein. [UniProt]

Images



ARG42170 anti-IFI27 antibody WB image

Western blot: 20 μg of Human spleen lysate stained with ARG42170 anti-IFI27 antibody at 1:500 dilution.

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