

IFIT1 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14695**Specification**

IFIT1 Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	P09914
Other Accession	NM_001548 , NP_001539
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55kDa KDa

IFIT1 Antibody - C-terminal region - Additional Information**Gene ID** 3434**Alias Symbol** C56, G10P1, GARG-16, IFI-56, IFI56, IFNAI1, ISG56, RNM561**Other Names**

Interferon-induced protein with tetratricopeptide repeats 1, IFIT-1, Interferon-induced 56 kDa protein, IFI-56K, P56, IFIT1, G10P1, IFI56, IFNAI1, ISG56

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-IFIT1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

IFIT1 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

IFIT1 Antibody - C-terminal region - Protein Information**Name** IFIT1 ([HGNC:5407](#))**Function**

Plays a key role in the innate immune response as part of an interferon-dependent multiprotein complex, recognizing and sequestering viral RNAs that lack host-specific 2'-O-methylation at their 5' cap. By distinguishing these RNAs from host mRNAs, inhibits their translation by competing with the translation initiation factor eIF4E (PubMed:21642987, PubMed:27240734, PubMed:39009378, PubMed:39009378).

[23334420](http://www.uniprot.org/citations/23334420), PubMed: [28251928](http://www.uniprot.org/citations/28251928), PubMed: [36285486](http://www.uniprot.org/citations/36285486)). Could also prevent viral replication through its interaction with DNA replication origin-binding protein E1 of several viruses. Causes the translocation of E1 from the nucleus to the cytoplasm and can also inhibit its helicase activity in vitro (PubMed: [19008854](http://www.uniprot.org/citations/19008854), PubMed: [21976647](http://www.uniprot.org/citations/21976647)). Exhibits antiviral activity against many viruses from the Flaviviridae (West Nile virus, Dengue virus, hepatitis C virus), Coronaviridae (human 229E coronavirus, SARS-CoV-2 and SARS-CoV), Poxviridae (vaccinia virus) and Togaviridae (Sindbis virus) families (PubMed: [19008854](http://www.uniprot.org/citations/19008854), PubMed: [21976647](http://www.uniprot.org/citations/21976647), PubMed: [28251928](http://www.uniprot.org/citations/28251928), PubMed: [36285486](http://www.uniprot.org/citations/36285486)).

Cellular Location

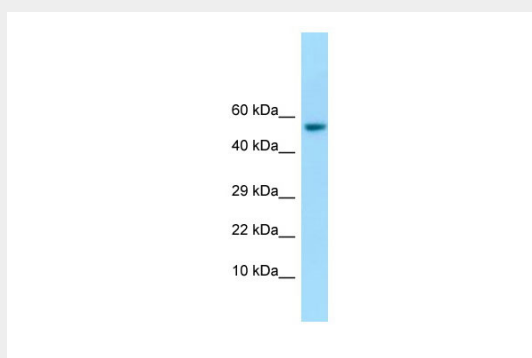
Cytoplasm

IFIT1 Antibody - C-terminal region - Protocols

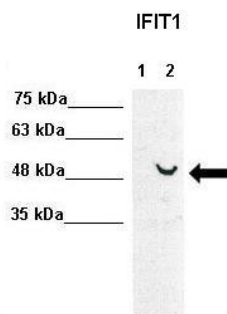
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IFIT1 Antibody - C-terminal region - Images



WB Suggested Anti-IFIT1 Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Stomach



WB Suggested Anti-IFIT1 Antibody

Positive Control: Lane1: 30ug human Huh7, Lane2: 30ug human Huh7+IFNB stimulated

Primary Antibody Dilution : 1:1000

Secondary Antibody : Anti-rabbit-HRP

Secondary Antibody Dilution : 1:5000

Submitted by: Takeshi Saito, USC Keck School of Medicine

IFIT1 Antibody - C-terminal region - References

Wathelet M., et al. Eur. J. Biochem. 155:11-17(1986).

Kalnina N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.

Ota T., et al. Nat. Genet. 36:40-45(2004).

Deloukas P., et al. Nature 429:375-381(2004).

Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.