

**IFIT5 antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI13708****Specification**

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**IFIT5 antibody - N-terminal region - Product Information**

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|-------------------|-------------------------------------------------------|
| Application       | WB                                                    |
| Primary Accession | <a href="#">Q13325</a>                                |
| Other Accession   | <a href="#">NM_012420</a> , <a href="#">NP_036552</a> |
| Reactivity        | Human, Bovine                                         |
| Predicted         | Human, Bovine                                         |
| Host              | Rabbit                                                |
| Clonality         | Polyclonal                                            |
| Calculated MW     | 56kDa KDa                                             |

**IFIT5 antibody - N-terminal region - Additional Information****Gene ID** 24138**Alias Symbol** **RI58****Other Names**

Interferon-induced protein with tetratricopeptide repeats 5, IFIT-5, Interferon-induced 58 kDa protein, Retinoic acid- and interferon-inducible 58 kDa protein, P58, IFIT5, ISG58, RI58

**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-IFIT5 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**

IFIT5 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**IFIT5 antibody - N-terminal region - Protein Information****Name** IFIT5**Synonyms** ISG58, RI58**Function**

Interferon-induced RNA-binding protein involved in the human innate immune response. Has a broad and adaptable RNA structure recognition important for RNA recognition specificity in antiviral defense. Binds precursor and processed tRNAs as well as poly-U-tailed tRNA fragments (PubMed: [25092312](http://www.uniprot.org/citations/25092312), PubMed: [23317505](http://www.uniprot.org/citations/23317505), PubMed: [23774268](http://www.uniprot.org/citations/23774268)).

Specifically binds single-stranded RNA bearing a 5'-triphosphate group (PPP-RNA), thereby acting as a sensor of viral single-stranded RNAs. Single-stranded PPP-RNAs, which lack 2'-O-methylation of the 5' cap and bear a 5'-triphosphate group instead, are specific from viruses, providing a molecular signature to distinguish between self and non-self mRNAs by the host during viral infection. Directly binds PPP-RNA in a non-sequence-specific manner (PubMed:<a href="http://www.uniprot.org/citations/23334420" target="\_blank">23334420</a>). Also recognizes and selectively binds AT-rich dsDNA (PubMed:<a href="http://www.uniprot.org/citations/23774268" target="\_blank">23774268</a>). Additionally, as a mediator in innate immunity, positively regulates IKK-NFκB signaling by synergizing the recruitment of IKK to MAP3K7 (PubMed:<a href="http://www.uniprot.org/citations/26334375" target="\_blank">26334375</a>).

#### **Cellular Location**

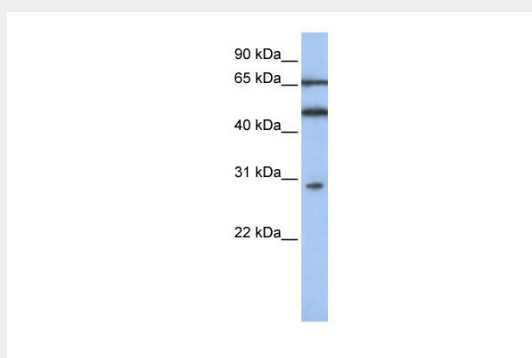
Cell projection, ruffle membrane. Note=Colocalized with RIGI at cell surface ruffles. Localizes to actin-rich protrusions from the apical cell surface

#### **IFIT5 antibody - N-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](#)

#### **IFIT5 antibody - N-terminal region - Images**



WB Suggested Anti-IFIT5 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:312500

Positive Control: Jurkat cell lysate

#### **IFIT5 antibody - N-terminal region - References**

Niikura T., et al. Blood Cells Mol. Dis. 23:337-349(1997).

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

Ebert L., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

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

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

