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# IFIT5 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI13708

## Product Information

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|---|---|
| **Application** | WB |
| **Primary Accession** | Q13325 |
| **Other Accession** | NM_012420, NP_036552 |
| **Reactivity** | Human, Bovine |
| **Predicted** | Human, Bovine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 55847 |

## Additional Information

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| **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. |

## Protein Information

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| **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:23317505, PubMed:23774268, PubMed:25092312). 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:23334420). Also recognizes and selectively binds AT-rich dsDNA (PubMed:23774268). Additionally, as a mediator in innate immunity, positively regulates IKK-NFKB signaling by sinergizing the recruitment of IKK to MAP3K7 (PubMed:26334375).

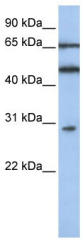
**Cellular Location**

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

## 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.


## Images




WB Suggested Anti-IFIT5 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: Jurkat cell lysate


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