

# IFIT5 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI13708

## Product Information

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|--------------------------|---|
| <b>Application</b>       | WB  |
| <b>Primary Accession</b> | <a href="#">Q13325</a>                                |
| <b>Other Accession</b>   | <a href="#">NM_012420</a> , <a href="#">NP_036552</a> |
| <b>Reactivity</b>        | Human, Bovine   |
| <b>Predicted</b>         | Human, Bovine   |
| <b>Host</b>              | Rabbit  |
| <b>Clonality</b>         | Polyclonal  |
| <b>Calculated MW</b>     | 55847   |

## Additional Information

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|-------------------------------------|--|
| <b>Gene ID</b>                      | 24138  |
| <b>Alias Symbol</b>                 | RI58   |
| <b>Other Names</b>                  | 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        |
| <b>Format</b>                       | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.  |
| <b>Reconstitution &amp; Storage</b> | 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. |
| <b>Precautions</b>                  | 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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|-----------------|---|
| <b>Name</b>     | IFIT5   |
| <b>Synonyms</b> | ISG58, RI58   |
| <b>Function</b> | 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: <a href="#">23317505</a> , PubMed: <a href="#">23774268</a> , PubMed: <a href="#">25092312</a> ). 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-NFκB signaling by synergizing 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

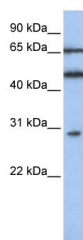
## References

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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

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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'.