# Anti-IFIT2 antibody

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| **Description** | Unconjugated Rabbit polyclonal to IFIT2 |

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| **Model** | STJ190316 |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Applications** | ELISA, WB |
| **Immunogen** | Synthesized peptide derived from human IFIT2 protein. |
| **Immunogen Region** | 200-280aa |
| **Gene ID** | 3433 |
| **Gene Symbol** | IFIT2 |
| **Dilution range** | WB 1:500-2000 ELISA 1:5000-20000 |
| **Specificity** | IFIT2 Polyclonal Antibody detects endogenous levels of protein. |
| **Purification** | IFIT2 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Note** | For Research Use Only (RUO). |
| **Protein Name** | Interferon-induced protein with tetratricopeptide repeats 2 IFIT-2 ISG-54 K Interferon-induced 54 kDa protein IFI-54K P54 |
| **Molecular Weight** | 51 kDa |
| **Clonality** | Polyclonal |
| **Conjugation** | Unconjugated |

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| **Isotype** | IgG |
| **Formulation** | Liquid form in PBS containing 50% glycerol,and 0.02% sodium azide. |
| **Concentration** | 1 mg/ml |
| **Storage Instruction** | Store at -20°C, and avoid repeat freeze-thaw cycles. |
| **Database Links** | HGNC:5409OMIM:147040 |
| **Alternative Names** | Interferon-induced protein with tetratricopeptide repeats 2 IFIT-2 ISG-54 K Interferon-induced 54 kDa protein IFI-54K P54 |
| **Function** | IFN-induced antiviral protein which inhibits expression of viral messenger RNAs lacking 2'-O-methylation of the 5' cap. The ribose 2'-O-methylation would provide a molecular signature to distinguish between self and non-self mRNAs by the host during viral infection. Viruses evolved several ways to evade this restriction system such as encoding their own 2'-O-methylase for their mRNAs or by stealing host cap containing the 2'-O-methylation (cap snatching mechanism). Binds AU-rich viral RNAs, with or without 5' triphosphorylation, RNA-binding is required for antiviral activity. Can promote apoptosis. |
| **Sequence and Domain Family** | The C-terminal part folds into a super-helical structure and has an extensively positively-charged nucleotide-binding channel on its inner surface. |
| **Cellular Localization** | Cytoplasm Endoplasmic reticulum |