

# Anti-IRF5 Rabbit Monoclonal Antibody

Catalog # ABO13452

## Product Information

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|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IF, ICC, IP, FC                                                                                                                        |
| <b>Primary Accession</b> | <a href="#">Q13568</a>                                                                                                                          |
| <b>Host</b>              | Rabbit                                                                                                                                          |
| <b>Isotype</b>           | Rabbit IgG                                                                                                                                      |
| <b>Reactivity</b>        | Rat, Human, Mouse                                                                                                                               |
| <b>Clonality</b>         | Monoclonal                                                                                                                                      |
| <b>Format</b>            | Liquid                                                                                                                                          |
| <b>Description</b>       | Anti-IRF5 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. |

## Additional Information

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|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                  | 3663                                                                                                                                       |
| <b>Other Names</b>              | Interferon regulatory factor 5, IRF-5, IRF5 {ECO:0000303   PubMed:11303025, ECO:0000312   HGNC:HGNC:6120}                                  |
| <b>Calculated MW</b>            | 56044                                                                                                                                      |
| <b>Application Details</b>      | WB 1:500-1:1000<br>IHC 1:50-1:200<br>ICC/IF 1:100-1:500<br>IP 1:100<br>FC 1:50                                                             |
| <b>Subcellular Localization</b> | Cytoplasm. Nucleus. Shuttles between the nucleus and the cytoplasm.                                                                        |
| <b>Source</b>                   | Eukaryota                                                                                                                                  |
| <b>Contents</b>                 | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                        |
| <b>Clone Names</b>              | Clone: GHI-9                                                                                                                               |
| <b>Immunogen</b>                | A synthesized peptide derived from human IRF5                                                                                              |
| <b>Purification</b>             | Affinity-chromatography                                                                                                                    |
| <b>Storage</b>                  | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |

## Protein Information

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|-------------|--------------------------------------------------------------------|
| <b>Name</b> | IRF5 {ECO:0000303   PubMed:11303025, ECO:0000312   HGNC:HGNC:6120} |
|-------------|--------------------------------------------------------------------|

Function

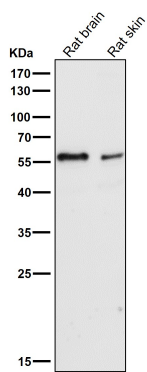
Transcription factor that plays a critical role in innate immunity by activating expression of type I interferon (IFN) IFNA and INFB and inflammatory cytokines downstream of endolysosomal toll-like receptors TLR7, TLR8 and TLR9 (PubMed:[11303025](#), PubMed:[15695821](#), PubMed:[22412986](#), PubMed:[25326418](#), PubMed:[32433612](#), PubMed:[40639948](#)). Regulates the transcription of type I IFN genes (IFN-alpha and IFN- beta) and IFN-stimulated genes (ISG) by binding to an interferon- stimulated response element (ISRE) in their promoters (By similarity). Can efficiently activate both the IFN-beta (IFNB) and the IFN-alpha (IFNA) genes and mediate their induction downstream of the TLR- activated, MyD88-dependent pathway (By similarity). Key transcription factor regulating the IFN response during SARS-CoV-2 infection (PubMed:[33440148](#)).

Cellular Location

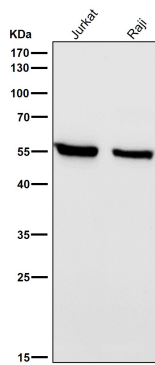
Cytoplasm. Nucleus. Note=Shuttles between the nucleus and the cytoplasm: upon activation by the TLR adapter MYD88 and subsequent phosphorylation, translocates to the nucleus

Images

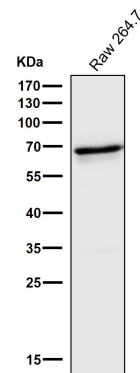
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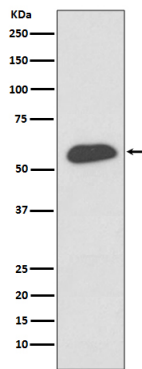
All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.



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Western blot analysis of IRF5 expression in THP-1 cell lysate.

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