

**IRF5 Antibody**  
**Rabbit mAb**  
**Catalog # AP90823**

## Specification

### IRF5 Antibody - Product Information

|                                                                                                    |                        |
|----------------------------------------------------------------------------------------------------|------------------------|
| Application                                                                                        | WB, IHC, FC, ICC, IP   |
| Primary Accession                                                                                  | <a href="#">Q13568</a> |
| Reactivity                                                                                         | Rat                    |
| Clonality                                                                                          | Monoclonal             |
| <b>Other Names</b>                                                                                 |                        |
| Interferon regulatory factor 5; Interferon regulatory factor 5 bone marrow variant; IRF 5; SLEB10; |                        |
| Isotype                                                                                            | Rabbit IgG             |
| Host                                                                                               | Rabbit                 |
| Calculated MW                                                                                      | 56044 Da               |

### IRF5 Antibody - Additional Information

|                              |                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dilution                     | WB~~1:1000<br>IHC~~1:100~500<br>FC~~1:10~50<br>ICC~~N/A<br>IP~~N/A                                                                                                                                                                                                                                                                                                 |
| Purification                 | Affinity-chromatography                                                                                                                                                                                                                                                                                                                                            |
| Immunogen                    | A synthesized peptide derived from human IRF5                                                                                                                                                                                                                                                                                                                      |
| Description                  | Interferon regulatory factors (IRFs) comprise a family of transcription factors that function within the Jak/Stat pathway to regulate interferon (IFN) and IFN-inducible gene expression in response to viral infection. IRFs play an important role in pathogen defense, autoimmunity, lymphocyte development, cell growth, and susceptibility to transformation. |
| Storage Condition and Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.                                                                                                                                                                                  |

### IRF5 Antibody - Protein Information

**Name** 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:<a href="http://www.uniprot.org/citations/11303025" target="\_blank">11303025</a>, PubMed:<a href="http://www.uniprot.org/citations/15695821" target="\_blank">15695821</a>, PubMed:<a href="http://www.uniprot.org/citations/22412986" target="\_blank">22412986</a>, PubMed:<a href="http://www.uniprot.org/citations/25326418" target="\_blank">25326418</a>, PubMed:<a href="http://www.uniprot.org/citations/32433612" target="\_blank">32433612</a>). 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:<a href="http://www.uniprot.org/citations/33440148" target="\_blank">33440148</a>).

### Cellular Location

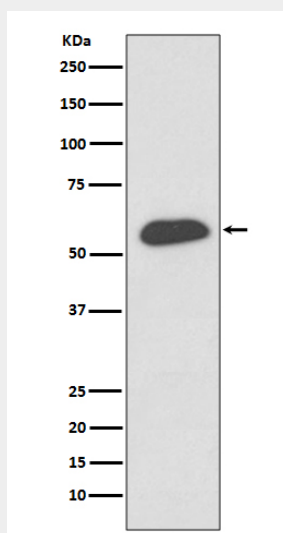
Cytoplasm. Nucleus. Note=Shuttles between the nucleus and the cytoplasm: upon activation by the TLR adapter MYD88 and subsequent phosphorylation, translocates to the nucleus

### IRF5 Antibody - 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](#)

### IRF5 Antibody - Images



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