

# IRF5 Antibody

Rabbit mAb

Catalog # AP90823

## Product Information

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

## Additional Information

<b>Dilution</b>	WB 1:500~1:1000 IHC 1:50~1:200 ICC/IF 1:100~1:500 IP 1:100 FC 1:50
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human IRF5
<b>Description</b>	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.
<b>Storage Condition and Buffer</b>	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.

## Protein Information

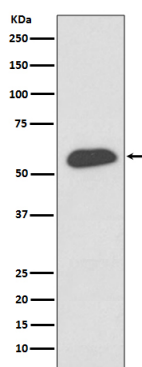
<b>Name</b>	IRF5 {ECO:0000303   PubMed:11303025, ECO:0000312   HGNC:HGNC:6120}
<b>Function</b>	Transcription factor that plays a critical role in innate immunity by activating expression of type I interferon (IFN) IFNA and IFNB and inflammatory cytokines downstream of endolysosomal toll-like receptors TLR7, TLR8 and TLR9 (PubMed: <a href="#">11303025</a> , PubMed: <a href="#">15695821</a> , PubMed: <a href="#">22412986</a> , PubMed: <a href="#">25326418</a> , PubMed: <a href="#">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="#">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

## Images

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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'.