

IRF5 Antibody

Rabbit mAb

Catalog # AP90823

Product Information

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

Additional Information

Dilution	WB 1:500~1:1000 IHC 1:50~1:200 ICC/IF 1:100~1:500 IP 1:100 FC 1:50
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.

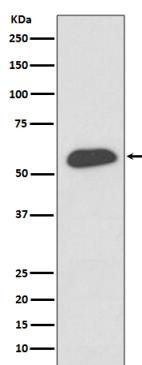
Protein Information

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 IFNB and inflammatory cytokines downstream of endolysosomal toll-like receptors TLR7, TLR8 and TLR9 (PubMed: 11303025 , PubMed: 15695821 , PubMed: 22412986 , PubMed: 25326418 , PubMed: 32433612). 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



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'.