

IRF5 Rabbit mAb

Catalog # AP77543

Product Information

Primary Accession	Q13568
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	56044

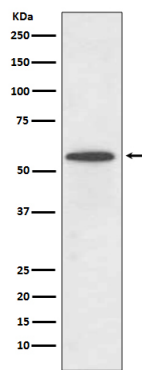
Additional Information

Gene ID	3663
Other Names	IRF5
Format	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

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 , 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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