

Rabbit IRF5 Polyclonal Antibody | anti-IRF5 antibody

IRF5 Antibody (N-term)

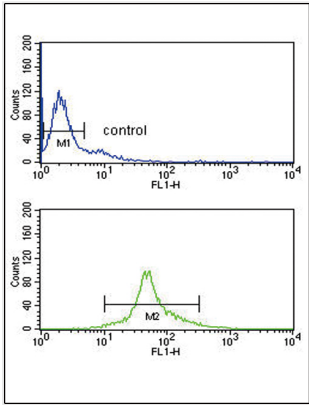
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289673	Rabbit	Human (Predicted Reactivity: Bovine)	Flow Cytometry, Functional Assay, Immunofluorescence, ELISA, Western Blot

PRODUCT SYNONYMS

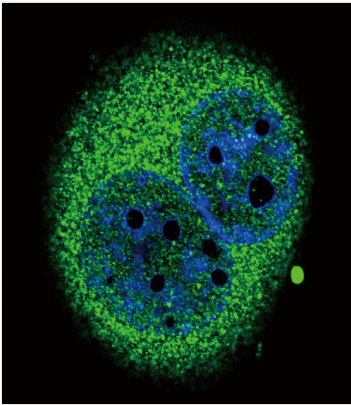
IRF5; Polyclonal Antibody; IRF5 Antibody (N-term); Interferon regulatory factor 5; IRF-5; anti-IRF5 antibody

PRODUCT SPECIFICATIONS

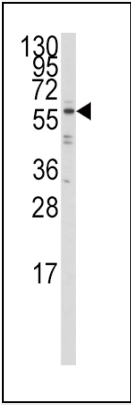
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This IRF5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 81-108 amino acids from the N-terminal region of human IRF5.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Positions	81-108
Sequence Length	147
Applicable Applications for anti-IRF5 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Region	81-108
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: , PubMed: , PubMed: , PubMed: , PubMed:). 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:).
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.
Preparation and Storage	Maintain refrigerated at 2°C to 8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
IRF5 Antibody (N-term) (Cat. #AAA289673) flow cytometry analysis of Ramos cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IF (Immunofluorescence)
Confocal immunofluorescent analysis of IRF5 Antibody (N-term) AAA289673 with A549 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)
Western blot analysis of anti-IRF5 Antibody (N-term) AAA289673 in Ramos cell line lysates (35ug/lane). IRF5 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-IRF5 antibody	IRF5 is a member of the interferon regulatory factor (IRF) family, a group of transcription factors with diverse roles, including virus-mediated activation of interferon, and modulation of cell growth, differentiation, apoptosis, and immune system activity. Members of the IRF family are characterized by a conserved N-terminal DNA-binding domain containing tryptophan (W) repeats.
Product Categories/Family for anti-IRF5 antibody	Immunology
References	Nordmark,G., Genes Immun. 10 (1), 68-76 (2009) Kim,Y.J., J. Rheumatol. 35 (11), 2106-2118 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	291190719
NCBI GeneID	3663
NCBI Accession #	NP_001092097.2; NP_001092099.1; NP_001092100.1; NP_001229381.1; NP_116032.1
NCBI GenBank Nucleotide #	NM_001098627.3
UniProt Accession #	Q13568; Q1A7B4; Q64GA9; Q64GB1; Q64GB2; Q6RCM8; Q9BQF0; A4D1J8; A8DUA8; A8DUA9; E7EQ16; E7EW54

Molecular Weight	56044
NCBI Official Full Name	interferon regulatory factor 5 isoform b
NCBI Official Synonym Full Names	interferon regulatory factor 5
NCBI Official Symbol	IRF5
NCBI Official Synonym Symbols	SLEB10
NCBI Protein Information	interferon regulatory factor 5
UniProt Protein Name	Interferon regulatory factor 5
UniProt Gene Name	IRF5
UniProt Synonym Gene Names	IRF-5
UniProt Entry Name	IRF5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/irf5-antibody-flow-cytometry-immunofluorescence-western-blot-elisa/289673>