

Rabbit anti-Human, Mouse IRF4 Polyclonal Antibody | anti-IRF4 antibody

IRF4 Antibody

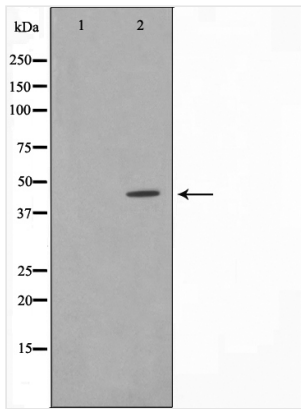
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321194	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

IRF4; Polyclonal Antibody; IRF4 Antibody; Interferon regulatory factor 4; IRF 4; IRF-4; Irf4; IRF4_HUMAN; LSIRF; Lymphocyte specific interferon regulatory factor; Lymphocyte specific IRF; Lymphocyte-specific interferon regulatory factor; Multiple myeloma oncogene 1; MUM 1; MUM1; NF EM5; NF-EM5; NFEM5; PU.1 interaction partner; Sfp1/PU.1 interaction partner; Transcriptional activator PIP; anti-IRF4 antibody

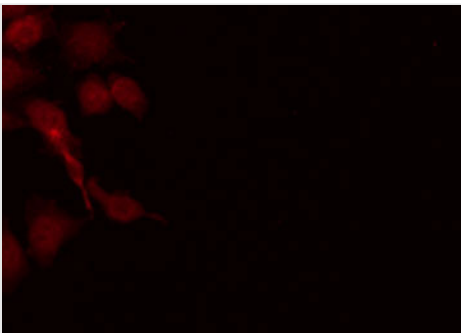
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	IRF4 antibody detects endogenous levels of IRF4
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	450
Applicable Applications for anti-IRF4 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human IRF4
Subcellular Location	Nucleus.
Tissue Specificity	Lymphoid cells.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)

Western blot analysis on HeLa cell lysate using IRF4 Antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA321194 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-IRF4 antibody	Description: IRF3 encodes interferon regulatory factor 3, a member of the interferon regulatory transcription factor (IRF) family. IRF3 is found in an inactive cytoplasmic form that upon serine/threonine phosphorylation forms a complex with CREBBP. This complex translocates to the nucleus and activates the transcription of interferons alpha and beta, as well as other interferon-induced genes. Function: Transcriptional activator. Binds to the interferon-stimulated response element (ISRE) of the MHC class I promoter. Binds the immunoglobulin lambda light chain enhancer, together with PU.1. Probably plays a role in ISRE-targeted signal transduction mechanisms specific to lymphoid cells. Involved in CD8+ dendritic cell differentiation by forming a complex with the BATF-JUNB heterodimer in immune cells, leading to recognition of AICE sequence (5'-TGAnTCA/GAAA-3'), an immune-specific regulatory element, followed by cooperative binding of BATF and IRF4 and activation of genes (By similarity). Subunit Structure: Interacts with the BATF-JUNB heterodimer. Interacts with BATF (via bZIP domain); the interaction is direct (By similarity). Interacts with SPIB and DEF6. Directly interacts with NLRP3 in the nucleus of Th2 cells; this interaction enhances IRF4 ability to bind to the IL4 promoter and is required for optimal IRF4-dependent IL4 transcription (By similarity). Post-translational Modifications: Phosphorylation by ROCK2 regulates IL-17 and IL-21 production. Similarity: Belongs to the IRF family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	305632828
NCBI GeneID	3662
NCBI Accession #	NP_001182215.1
NCBI GenBank Nucleotide #	NM_001195286.1
UniProt Accession #	Q15306; Q5VUI7; Q99660
Molecular Weight	Observed: 45 kDa Predicted: 52 kDa
NCBI Official Full Name	interferon regulatory factor 4 isoform 2
NCBI Official Synonym Full Names	interferon regulatory factor 4
NCBI Official Symbol	IRF4
NCBI Official Synonym Symbols	MUM1; LSIRF; SHEP8; NF-EM5
NCBI Protein Information	interferon regulatory factor 4
UniProt Protein Name	Interferon regulatory factor 4

UniProt Gene Name	IRF4
UniProt Synonym Gene Names	MUM1; IRF-4; LSIRF

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/irf4-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/321194>