

Rabbit IRF8 Polyclonal Antibody | anti-IRF8 antibody

IRF8 Antibody

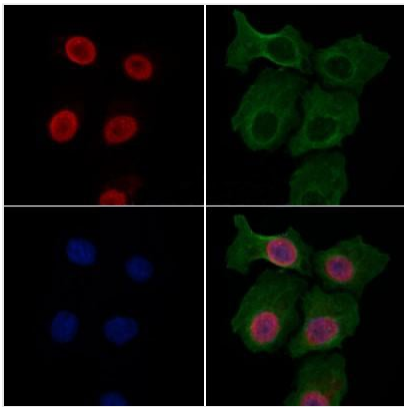
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329136	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Horse(88%), Rabbit(100%), Dog(100%)	ELISA

PRODUCT SYNONYMS

IRF8; Polyclonal Antibody; IRF8 Antibody; H ICSBP; H-ICSBP; HGNC:5358; HICSBP; ICSBP 1; ICSBP; ICSBP1; Interferon consensus sequence binding protein 1; Interferon consensus sequence binding protein; Interferon consensus sequence-binding protein; Interferon regulatory factor 8; IRF 8; IRF-8; Irf8; IRF8_HUMAN; MYLS; anti-IRF8 antibody

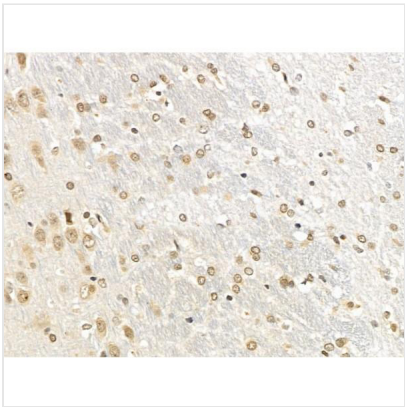
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Horse(88%), Rabbit(100%), Dog(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	IRF8 Antibody detects endogenous levels of total IRF8.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	426
Applicable Applications for anti-IRF8 antibody	ELISA
Immunogen	A synthesized peptide derived from human IRF8, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



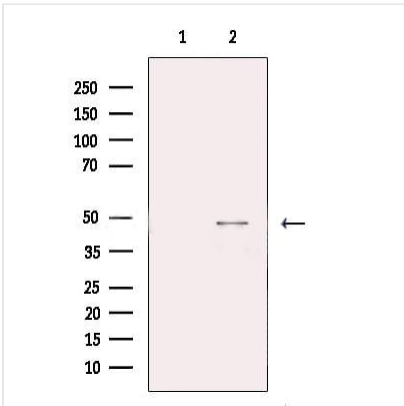
IF (Immunofluorescence)

AAA329136 staining HepG2 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA329136 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



IHC (Immunohistochemistry)

AAA329136 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Jurkat, using IRF8 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-IRF8 antibody	Function: Plays a role as a transcriptional activator or repressor (PubMed:25122610). Specifically binds to the upstream regulatory region of type I IFN and IFN-inducible MHC class I genes (the interferon consensus sequence (ICS)). Plays a negative regulatory role in cells of the immune system. 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 IRF8 and activation of genes (By similarity). Positively regulates macroautophagy in dendritic cells (PubMed:29434592). Post Translational Modifications: Ubiquitinated (PubMed:25122610). Ubiquitination by TRIM21 in macrophages, a process that is strongly increased upon interferon gamma stimulation, leads to the enhanced transcriptional activity of target cytokine genes (By similarity). Ubiquitination leads to its degradation by the proteasome (PubMed:25122610).Sumoylated with SUMO3. Desumoylated by SENP1. Subcellular Location: Nucleus. Cytoplasm. Note: In resting macrophages, localizes in the cytoplasm. Translocated in the nucleus upon IFN-gamma induction. Tissue Specificity: Predominantly expressed in lymphoid tissues. Subunit Structure: Interacts (via C-terminus) with TRIM21 (via C-terminus). Interacts with the BATF-JUNB heterodimer. Interacts with BATF (via bZIP domain); the interaction is direct (By similarity). Interacts with COPS2. Similarity: Belongs to the IRF family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504567
NCBI GeneID	3394
NCBI Accession #	NP_002154.1
NCBI GenBank Nucleotide #	NP_002154.1
UniProt Accession #	Q02556
Molecular Weight	Observed Molecular Weight: (Observed)48kD. Predicted Molecular Weight: (Calculated)48kDa.
NCBI Official Full Name	interferon regulatory factor 8 isoform 2
NCBI Official Synonym Full Names	interferon regulatory factor 8
NCBI Official Symbol	IRF8
NCBI Official Synonym Symbols	ICSBP; IRF-8; ICSBP1; IMD32A; IMD32B; H-ICSBP
NCBI Protein Information	interferon regulatory factor 8
UniProt Protein Name	Interferon regulatory factor 8
UniProt Gene Name	IRF8
UniProt Synonym Gene Names	ICSBP1; IRF-8; H-ICSBP; ICSBP

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.