

Rabbit IRF2 Polyclonal Antibody | anti-IRF2 antibody

IRF2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323803	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

IRF2; Polyclonal Antibody; IRF2 Antibody; DKFZp686F0244; Interferon regulatory factor 2; IRF 2; IRF-2; IRF2_HUMAN; anti-IRF2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	IRF2 antibody detects endogenous levels of total IRF2
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	349
Applicable Applications for anti-IRF2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Tissue Specificity	Expressed throughout the epithelium of the colon. Also expressed in lamina propria.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (91%), Bovine (91%), Horse (91%), Sheep (91%), Rabbit (91%), Dog (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES


WB (Western Blot)

Western blot analysis of extracts from Jurkat cells using IRF2 antibody.


WB (Western Blot)

Western blot analysis of extracts from various samples, using IRF2 Antibody. Lane 1: rat brain treated with blocking peptide. Lane 2: rat brain; Lane 3: mouse brain;



IF (Immunofluorescence)

AAA323803 staining Hela cells 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) antibody, diluted at 1/600, was used as secondary antibody.



IHC (Immunohistochemistry)

AAA323803 at 1/100 staining Mouse colon 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 antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-IRF2 antibody

Function: Specifically binds to the upstream regulatory region of type I IFN and IFN-inducible MHC class I genes (the interferon consensus sequence (ICS)) and represses those genes. Also acts as an activator for several genes including H4 and IL7. Constitutively binds to the ISRE promoter to activate IL7. Involved in cell cycle regulation through binding the site II (HiNF-M) promoter region of H4 and activating transcription during cell growth. Antagonizes IRF1 transcriptional activation.

Subunit Structure: Interacts with BRD7, IRF2BP1 and IRF2BP2. Interacts with CREBBP in growing cells; the interaction acetylates IRF2 and regulates IRF2-dependent H4 promoter activity.

Post-translational Modifications: Acetylated by CBP/p300 during cell-growth. Acetylation on Lys-75 is required for stimulation of H4 promoter activity. The major sites of sumoylation are Lys-137 and Lys-293. Sumoylation with SUMO1 increases its transcriptional repressor activity on IRF1 and diminishes its ability to activate ISRE and H4 promoter.

Similarity: Belongs to the IRF family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	153082752
NCBI GeneID	3660
NCBI Accession #	NP_002190.2
NCBI GenBank Nucleotide #	NM_002199.3
UniProt Accession #	P14316; Q6IAS7; Q96B99; D6RCK5; HOY8S3
Molecular Weight	Observed: 47 kD Predicted: 40 kDa
NCBI Official Full Name	interferon regulatory factor 2
NCBI Official Synonym Full Names	interferon regulatory factor 2
NCBI Official Symbol	IRF2
NCBI Official Synonym Symbols	IRF-2
NCBI Protein Information	interferon regulatory factor 2
UniProt Protein Name	Interferon regulatory factor 2
UniProt Gene Name	IRF2
UniProt Synonym Gene Names	IRF-2

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/irf2-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/323803>