Interferon Regulatory Factor 2 (IRF2) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Interferon Regulatory Factor 2 (IRF2), Polyclonal Antibody
Full Product Name	Biotin-Linked Polyclonal Antibody to Interferon Regulatory Factor 2 (IRF2)
Product Gene Name	anti-IRF2 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse, Human, Rat
Concentration	500ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: IRF2 (MBS2026440) Biotin Conjugated Antibody: IRF2 (MBS2094259)
Matching Pairs	Biotin Conjugated Antibody: IRF2 (MBS2094259) Immunogen: IRF2 (MBS2030868)
Molecular Weight	39,156 Da
OMIM	X15949 mRNA
3D Structure	ModBase 3D Structure for P14316
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Conjugation	Biotin
Cross Reactivity	Human, Mouse
Immunogen	IRF2 (Met1~Cys349)
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-IRF2 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Related Product Information for anti-IRF2 antibody	MBS2094259 is an antibody targeting IRF2. Also known as Biotin-Linked Polyclonal Antibody to Interferon Regulatory Factor 2 (IRF2). Reactive in Mouse, Human, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-IRF2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IRF2. It may not necessarily be applicable to this product.

NCBI GI #	153082752
NCBI GeneID	3660
NCBI Accession #	NP_002190.2
UniProt Primary Accession #	P14316
UniProt Secondary Accession #	Q6IAS7; Q96B99; D6RCK5; H0Y8S3

UniProt Related Accession #	P14316
GenBank Nucleotide #	NM_002199.3
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
UniProt Protein Name	Interferon regulatory factor 2
Protein Family	Interferon regulatory factor
UniProt Gene Name	IRF2
UniProt Synonym Gene Names	IRF-2
NCBI Protein Information	interferon regulatory factor 2
NCBI Summary for IRF2	IRF2 encodes interferon regulatory factor 2, a member of the interferon regulatory transcription factor (IRF) family. IRF2 competitively inhibits the IRF1-mediated transcriptional activation of interferons alpha and beta, and presumably other genes that employ IRF1 for transcription activation. However, IRF2 also functions as a transcriptional activator of histone H4. [provided by RefSeq, Jul 2008]
UniProt Comments for IRF2	IRF2: 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. Interacts with BRD7, IRF2BP1 and IRF2BP2. Interacts with CREBBP in growing cells; the interaction acetylates IRF2 and regulates IRF2-dependent H4 promoter activity. By viruses and IFN. Expressed throughout the epithelium of the colon. Also expressed in lamina propria. Belongs to the IRF family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: DNA-binding; Transcription factor Chromosomal Location of Human Ortholog: 4q35.1 Cellular Component: cytosol; focal adhesion; nucleoplasm Molecular Function: DNA binding; DNA binding transcription factor activity; protein binding Biological Process: blood coagulation; cell proliferation; defense response to virus; negative regulation of transcription from RNA polymerase II promoter; positive regulation of transcription from RNA polymerase II promoter; regulation of transcription, DNA-templated; transcription from RNA polymerase II promoter
Research Articles on IRF2	**1.** In a genome wide are study to identify acute kidney injury risk in critically ill patients, the locus on chromosome 4, located 150 kb upstream of IRF2 was identified to regulate immunity pathways related to kidney disease risk gene APOL1. Disruption of IRF-2 has been found to up-regulate the inflammatory response to infection.
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