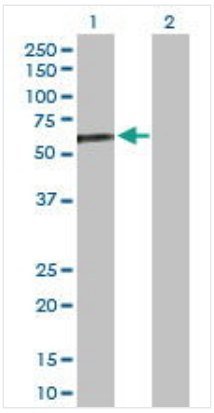
IRF3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IRF3, Polyclonal Antibody
Full Product Name	IRF3 (Interferon Regulatory Factor 3, IRF-3) (HRP)
Product Gene Name	anti-IRF3 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human IRF3.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor
Molecular Weight	12,330 Da
OMIM	603734
3D Structure	ModBase 3D Structure for Q14653
Immunogen	Full length human IRF3, aa1-427 (NP_001562.1).
Immunogen Sequence	MGTPKPRILPWLVSQLDLGQLEGVAWVNKSRTRFRIPWKHGLRQDAQQEDFGIFQAWAEATGAYVPGRDKPDLPTWKRNFRSALNRKEGLRLAEDRSK
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-IRF3 antibody	Antibodies; Interferon
Applications Tested/Suitable for anti-IRF3 antibody	Western Blot (WB)
Application Notes for anti-IRF3 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-IRF3 antibody	Interferons (IFN)s are involved in a multitude of immune interactions during viral infections and play a major role in both the induction and regulation of receptor 3 (TLR3) by dsRNA. IRF3 exists as at least two distinct isoforms.
Other Notes	Small volumes of anti-IRF3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa

Searchable Terms for IRF3 purchase	MBS6383095 is an antibody targeting IRF3. Also known as IRF3 (Interferon Regulatory Factor 3, IRF-3) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-IRF3 antibody
Western Blot analysis of IRF3 expression in transfected 293T cell line by IRF3 polyclonal antibody. Lane 1: IRF3 transfected lysate (47.2kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IRF3. It may not necessarily be applicable to this product.

NCBI GI #	4504725
NCBI GeneID	3661
NCBI Accession #	NP_001562.1
UniProt Primary Accession #	Q14653
UniProt Secondary Accession #	Q5FBY1; Q5FBY2; Q5FBY4; Q7Z5G6; A8K7L2; B2RAZ3
UniProt Related Accession #	Q14653
GenBank Nucleotide #	NM_001571.2
NCBI Official Full Name	interferon regulatory factor 3 isoform 1
NCBI Official Synonym Full Names	interferon regulatory factor 3
NCBI Official Symbol	IRF3
UniProt Protein Name	Interferon regulatory factor 3
Protein Family	Interferon regulatory factor
UniProt Gene Name	IRF3
UniProt Synonym Gene Names	IRF-3
UniProt Entry Name	IRF3_HUMAN
NCBI Protein Information	interferon regulatory factor 3
NCBI Summary for IRF3	This gene encodes a member of the interferon regulatory transcription factor (IRF) family. The encoded protein 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. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]

UniProt Comments for IRF3	IRF3: 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. Protein type: Transcription factor; DNA-binding Chromosomal Location of Human Ortholog: 19q13.3-q13.4 Cellular Component: nucleoplasm; cytoplasm; cytosol; nucleus Molecular Function: identical protein binding; protein binding; protein homodimerization activity; DNA binding; transcription cofactor activity; transcription factor activity Biological Process: negative regulation of interferon-beta biosynthetic process; transcription from RNA polymerase II promoter; positive regulation of I-kappaB kinase/NF-kappaB cascade; viral reproduction; apoptosis; cytokine and chemokine mediated signaling pathway; MyD88-independent toll-like receptor signaling pathway; negative regulation of transcription from RNA polymerase II promoter; toll-like receptor 3 signaling pathway; negative regulation of defense response to virus by host; response to exogenous dsRNA; positive regulation of interferon type I production; lipopolysaccharide-mediated signaling pathway; positive regulation of interferon-beta production; toll-like receptor signaling pathway; innate immune response; interferon type I biosynthetic process; toll-like receptor 4 signaling pathway; response to DNA damage stimulus; negative regulation of interferon type I production; defense response to virus; positive regulation of interferon-alpha production; positive regulation of cytokine secretion Disease: Herpes Simplex Encephalitis, Susceptibility To, 7
Research Articles on IRF3	**1.** The function of IRF3 is a critical node in TLR signaling pathways, which is central for the induction of important polarizing cytokines.
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