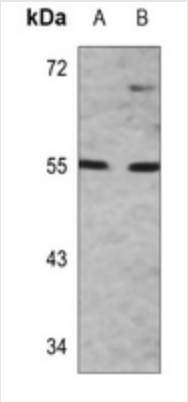
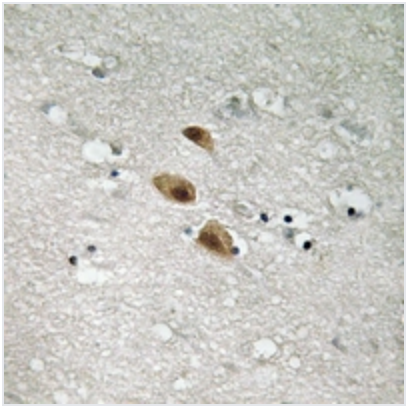
IRF3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IRF3, Polyclonal Antibody
Full Product Name	Anti-IRF3 Antibody
Product Gene Name	anti-IRF3 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of IRF3 protein.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	47,219 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (50162826..50169132, complement). Location: 19q13.3-q13.4
OMIM	603734
3D Structure	ModBase 3D Structure for Q14653
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human IRF3. The exact sequence is proprietary.
Product Categories/Family for anti-IRF3 antibody	Primary Antibodies
Applications Tested/Suitable for anti-IRF3 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-IRF3 antibody	WB: 1/500-1/1000 IHC: 1/50-1/200
Related Product Information for anti-IRF3 antibody	MBS8322270 is an antibody targeting IRF3. Reactive in Human. Host: Rabbit. Rabbit polyclonal antibody to IRF3
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 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.



Western Blot (WB) of anti-IRF3 antibody
Western blot analysis of IRF3 expression in MCF7 (A), Hela (B) whole cell lysates. (Predicted band size: 47 kD; Observed band size: 55 kD)



Immunohistochemistry (IHC) of anti-IRF3 antibody
Immunohistochemical analysis of IRF3 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

ADDITIONAL DETAILS

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

NCBI GI #	308199450
NCBI GeneID	3661
NCBI Accession #	NP_001184053.1
UniProt Primary Accession #	Q14653
UniProt Secondary Accession #	Q5FBY1; A8K7L2
UniProt Related Accession #	Q14653
GenBank Nucleotide #	NM_001197124.1
NCBI Official Full Name	interferon regulatory factor 3 isoform 4
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.** Ultraviolet radiation also upregulated mitogen-activated protein kinases and nuclear factor-kappaB/p65 expression via Toll-like receptor 2 and Toll-like receptor 4, and upregulated interferon regulatory factor-3 expression
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