

Rabbit IRF-1 Polyclonal Antibody | anti-IRF-1 antibody

IRF-1 Polyclonal Antibody

CATALOG # AAA296403	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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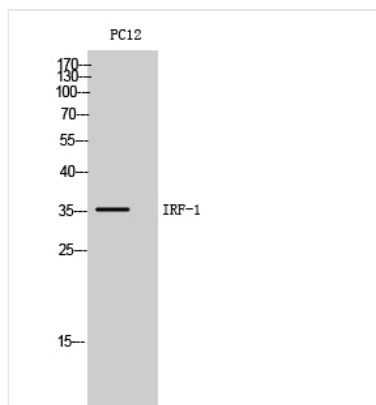
PRODUCT SYNONYMS

IRF-1; Polyclonal Antibody; IRF-1 Polyclonal Antibody; IRF1; Interferon regulatory factor 1; anti-IRF-1 antibody

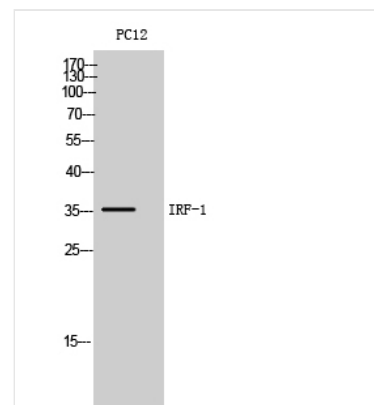
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Applicable Applications for anti-IRF-1 antibody	WB (Western Blot)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.


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ADDITIONAL INFORMATION

Related Product Information for anti-IRF-1 antibody	Transcriptional regulator which displays a remarkable functional diversity in the regulation of cellular responses. These include the regulation of IFN and IFN-inducible genes, host response to viral and bacterial infections, regulation of many genes expressed during hematopoiesis, inflammation, immune responses and cell proliferation and differentiation, regulation of the cell cycle and induction of growth arrest and programmed cell death following DNA damage. Stimulates both innate and acquired immune responses through the activation of specific target genes and can act as a transcriptional activator and repressor regulating target genes by binding to an interferon-stimulated response element (ISRE) in their promoters. Its target genes for transcriptional activation activity include: genes involved in anti-viral response, such as IFN-alpha/beta, DDX58/RIG-I, TNFSF10/TRAIL, OAS1/2, PIAS1/GBP, EIF2AK2/PKR and RSAD2/viperin; antibacterial response, such as NOS2/INOS; anti- proliferative response, such as p53/TP53, LOX and CDKN1A; apoptosis, such as BBC3/PUMA, CASP1, CASP7 and CASP8; immune response, such as IL7, IL12A/B and IL15, PTGS2/COX2 and CYBB; DNA damage responses and DNA repair, such as POLQ/POLH; MHC class I expression, such as TAP1, PSMB9/LMP2, PSME1/PA28A, PSME2/PA28B and B2M and MHC class II expression, such as CIITA. Represses genes involved in anti-proliferative response, such as BIRC5/survivin, CCNB1, CCNE1, CDK1, CDK2 and CDK4 and in immune response, such as FOXP3, IL4, ANXA2 and TLR4. Stimulates p53/TP53-dependent transcription through enhanced recruitment of EP300 leading to increased acetylation of p53/TP53. Plays an important role in immune response directly affecting NK maturation and activity, macrophage production of IL12, Th1 development and maturation of CD8+ T-cells. Also implicated in the differentiation and maturation of dendritic cells and in the suppression of regulatory T (Treg) cells development. Acts as a tumor suppressor and plays a role not only in antagonism of tumor cell growth but also in stimulating an immune response against tumor cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	196049386
NCBI GeneID	3659
NCBI Accession #	NP_002189.1
NCBI GenBank Nucleotide #	NM_002198
UniProt Accession #	P10914; Q96GG7
Molecular Weight	36,502 Da
NCBI Official Full Name	Homo sapiens interferon regulatory factor 1 (IRF1), mRNA
NCBI Official Synonym Full Names	interferon regulatory factor 1
NCBI Official Symbol	IRF1
NCBI Official Synonym Symbols	MAR; IRF-1
NCBI Protein Information	interferon regulatory factor 1; interferon regulatory factor 1 isoform +I9; interferon regulatory factor 1 isoform d78; interferon regulatory factor 1 isoform delta4; interferon regulatory factor 1 isoform delta7
UniProt Protein Name	Interferon regulatory factor 1
UniProt Gene Name	IRF1
UniProt Synonym Gene Names	IRF-1
UniProt Entry Name	IRF1_HUMAN

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.