



IRF-1 Monoclonal Antibody

Catalog No	YP-mAb-02252
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	IRF1
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human IRF1. AA range:91-140
Specificity	IRF-1 Monoclonal Antibody detects endogenous levels of IRF-1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	interferon regulatory factor 1;IRF 1;IRF-1;MAR;IRF1
Observed Band	36kD
Calculated Molecular Weight	36kD
Cell Pathway	Nucleus . Cytoplasm . MYD88-associated IRF1 migrates into the nucleus more efficiently than non-MYD88-associated IRF1. .
Tissue Specificity	Pancreas,Placenta,Spleen,
Function	disease:Deletion or rearrangement of IRF1 are a cause of preleukemic myelodysplastic syndrome (MDS) and of acute myelogenous leukemia (AML)., 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 activates those genes. Acts as a tumor suppressor.,induction:By viruses and IFN.,PTM:Sumoylation represses the transcriptional activity and displays enhanced resistance to protein degradation. Inactivates the tumor suppressor activity. Elevated levels in tumor cells. Major site is Lys-275. Sumoylation is enhanced by PIAS3 (By similarity). Desumoylated by SENP1 in tumor cells and appears to compete with ubiquitination on C-terminal sites.,PTM:Ubiquitinated. Appears to compete with sumoylation on C-terminal sites.,similarity:Belongs to



the IRF family.,similarity:Contains 1 tryptophan pentad repea

Background

IRF1 encodes interferon regulatory factor 1, a member of the interferon regulatory transcription factor (IRF) family. IRF1 serves as an activator of interferons alpha and beta transcription, and in mouse it has been shown to be required for double-stranded RNA induction of these genes. IRF1 also functions as a transcription activator of genes induced by interferons alpha, beta, and gamma. Further, IRF1 has been shown to play roles in regulating apoptosis and tumor-suppressoion. [provided by RefSeq, Jul 2008],

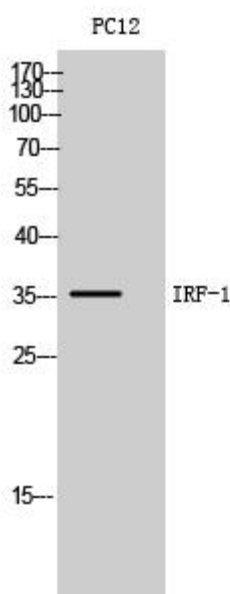
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using IRF-1 Monoclonal Antibody