10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

IRF2 Rabbit mAb

Catalog # AP77551

Product Information

Application	WB, IHC-P
Primary Accession	P14316
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Chromatography
Calculated MW	39354

Additional Information

Gene ID	3660
Other Names	IRF2
Dilution	WB~~1:1000 IHC-P~~N/A
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	IRF2
Function	DNA-binding transcription factor that specifically binds to the upstream regulatory region of type I interferon (IFN) and IFN- inducible genes and regulates their expression (PubMed:39013473, PubMed:7687740). Mainly acts as a transcription repressor, repressing expression (PubMed:39013473). Also acts as an activator for several genes including H4 and IL7 (PubMed:15226432, PubMed:9540062). Constitutively binds to the ISRE promoter to activate IL7 (PubMed:15226432). Involved in cell cycle regulation through binding the site II (HiNF-M) promoter region of H4 and activating transcription during cell growth (PubMed:9540062). Antagonizes IRF1 transcriptional activation (By similarity).
Cellular Location	Nucleus {ECO:0000250|UniProtKB:P23906}. Chromosome {ECO:0000250|UniProtKB:P23906}
Tissue Location	Expressed throughout the epithelium of the colon. Also expressed in lamina

propria.

Background

Interferon regulatory factors (IRFs) comprise a family of transcription factors that function within the Jak/Stat pathway to regulate interferon (IFN) and IFN-inducible gene expression in response to viral infection. IRFs play an important role in pathogen defense, autoimmunity, lymphocyte development, cell growth, and susceptibility to transformation. IRF-2 acts as both a transcription activator and repressor.

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