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IRF2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11225C

Product Information

Application	WB, E
Primary Accession	P14316
Other Accession	NP_002190
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19228
Calculated MW	39354
Antigen Region	225-255

Additional Information

Gene ID	3660
Other Names	Interferon regulatory factor 2, IRF-2, IRF2
Target/Specificity	This IRF2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 225-255 amino acids from the Central region of human IRF2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	IRF2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	IRF2
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 represses those genes. Also acts as an activator for several genes including H4 and IL7. Constitutively binds to the ISRE promoter to activate

	IL7. Involved in cell cycle regulation through binding the site II (HiNF-M) promoter region of H4 and activating transcription during cell growth. Antagonizes IRF1 transcriptional activation.
Cellular Location	Nucleus.
Tissue Location	Expressed throughout the epithelium of the colon. Also expressed in lamina propria.

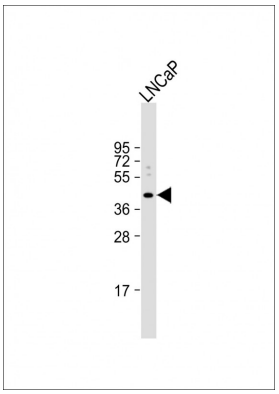
Background

IRF2 encodes interferon regulatory factor 2, a member of the interferon regulatory transcription factor (IRF) family. IRF2 competitively inhibits the IRF1-mediated transcriptional activation of interferons alpha and beta, and presumably other genes that employ IRF1 for transcription activation. However, IRF2 also functions as a transcriptional activator of histone H4. [provided by RefSeq].

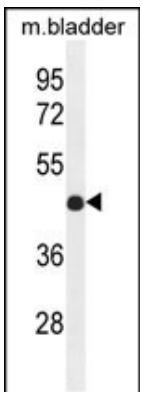
References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Lace, M.J., et al. Virology 399(2):270-279(2010)
Masumi, A., et al. Biochem. Biophys. Res. Commun. 391(4):1623-1628(2010)
Daley, D., et al. Hum. Genet. 125(4):445-459(2009)
Dhar, D., et al. PLoS ONE 4 (9), E7049 (2009) :

Images



Anti-IRF2 Antibody (Center) at 1:1000 dilution + LNCaP whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 39 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



IRF2 Antibody (Center) (Cat. #AP11225c) western blot analysis in mouse bladder tissue lysates (35ug/lane).This demonstrates the IRF2 antibody detected the IRF2 protein (arrow).

Citations

- Embryonic stem cell-specific microRNAs contribute to pluripotency by inhibiting regulators of multiple differentiation

pathways.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.