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Anti-IRF2 Antibody
Catalog # ABO11126

Specification

Anti-IRF2 Antibody - Product Information

Application	**WB**
Primary Accession	P14316
Host	**Rabbit**
Reactivity	**Human, Mouse, Rat**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Interferon regulatory factor 2(IRF2) detection. Tested with WB in Human;Mouse;Rat.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-IRF2 Antibody - Additional Information

Gene ID 3660

Other Names
Interferon regulatory factor 2, IRF-2, IRF2

Calculated MW
39354 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Subcellular Localization
Nucleus.

Tissue Specificity
Expressed throughout the epithelium of the colon. Also expressed in lamina propria. .

Protein Name
Interferon regulatory factor 2(IRF-2)

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the C-terminus of human IRF2(249-266aa RPHWRKRNIEGKQYLSNM), identical to the related rat sequence and different from the related mouse sequence by one amino acid.

Purification

Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage

At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.

Sequence Similarities
Belongs to the IRF family.

Anti-IRF2 Antibody - 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.

Anti-IRF2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-IRF2 Antibody - Images

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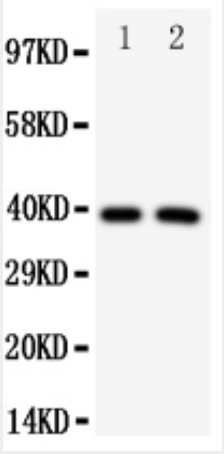

Anti-IRF2 antibody, ABO11126, Western blottingAll lanes: Anti IRF2 (ABO11126) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: MCF-7 Whole Cell Lysate at 40ugPredicted bind size: 39KDObserved bind size: 39KD

Anti-IRF2 Antibody - Background

IRF2(interferon regulatory factor 2) is Â a member of the interferon regulatory transcription factor(IRF) family. The IRF2 gene is mapped on 4q35.1. When theÂ IRF2Â gene was overexpressed in NIH 3T3 cells, the cells became transformed and displayed enhanced tumorigenicity in nude mice. One IRF binding site was found within theÂ IRF2Â promoter, and expression of theÂ IRF2Â gene was affected by both transient and stable IRF1 expression. IRF2 competitively inhibits theÂ 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 ofÂ histone H4. Irf2Â was required to prevent NK-cell apoptosis and keep immature NK cells alive, thus promoting NK-cell maturation and their supply to peripheral blood.