

**Anti-IRF2 Antibody**  
**Catalog # ABO11126****Specification**

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**Anti-IRF2 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P14316</a>
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<br>

**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 Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg NaN<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence at the C-terminus of human IRF2(249-266aa RPHWRKRNI~~EG~~KQYLSNM), 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 reconstitution, 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.

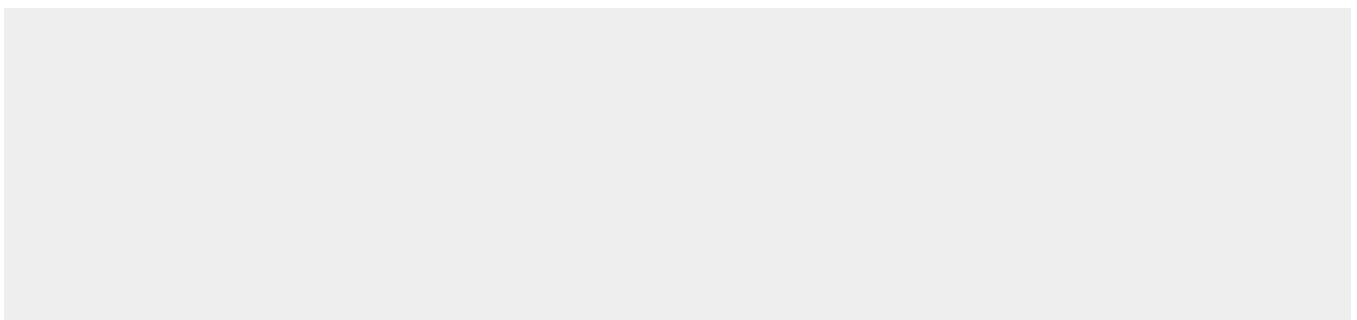
**Tissue Location**

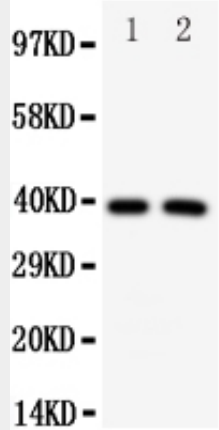
Expressed throughout the epithelium of the colon. Also expressed in lamina propria.

**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 Cytometry](#)
- [Cell Culture](#)

**Anti-IRF2 Antibody - Images**



Anti-IRF2 antibody, ABO11126, Western blotting All lanes: Anti IRF2 (ABO11126) at 0.5ug/ml  
Lane 1: HELA Whole Cell Lysate at 40ug  
Lane 2: MCF-7 Whole Cell Lysate at 40ug  
Predicted bind size: 39KD  
Observed bind size: 39KD

### Anti-IRF2 Antibody - Background

IRF2(interferon regulatory factor 2) is a member of the interferon regulatory transcription factor(IRF) family. The IRF2 gene is mapped on 4q35.1. When the IRF2 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 the IRF2 promoter, and expression of the IRF2 gene was affected by both transient and stable IRF1 expression. 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. Irf2 was required to prevent NK-cell apoptosis and keep immature NK cells alive, thus promoting NK-cell maturation and their supply to peripheral blood.