

Anti-IRF2 Picoband Antibody
Catalog # ABO12331**Specification**

Anti-IRF2 Picoband Antibody - Product Information

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

Description

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

Reconstitution

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

Anti-IRF2 Picoband 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, Rat

Subcellular Localization

Nucleus.

Tissue Specificity

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

Protein Name

Interferon regulatory factor 2

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human IRF2 (317-348aa MTPASSSSRPDRETRASVIKKTSDITQARVKS), different from the related mouse sequence by three amino acids.

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.

Anti-IRF2 Picoband 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.

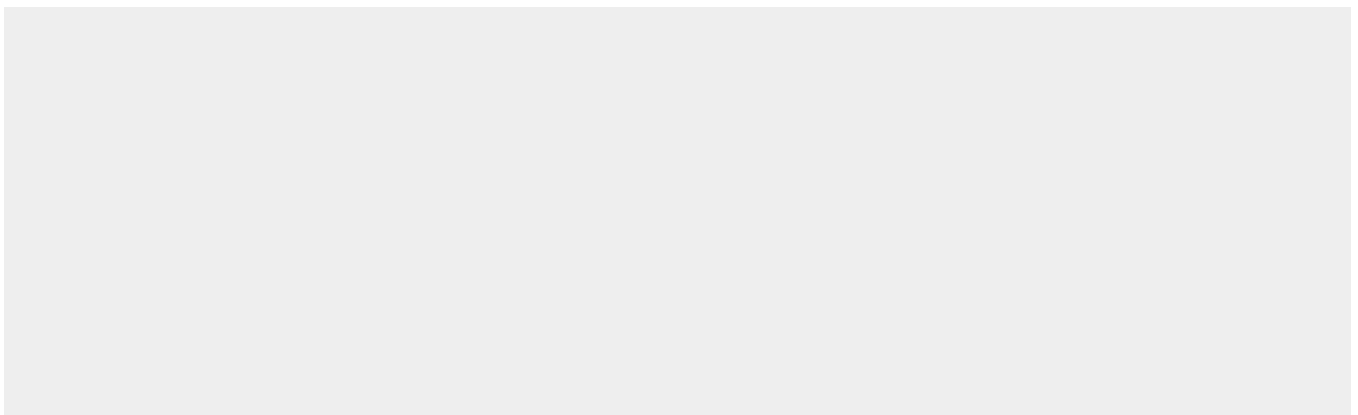
Tissue Location

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

Anti-IRF2 Picoband 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 Picoband Antibody - Images



Anti- IRF2 Picoband antibody, ABO12331, Western blotting All lanes: Anti IRF2 (ABO12331) at 0.5ug/ml
Lane 1: Rat Intestine Tissue Lysate at 50ug
Lane 2: SW620 Whole Cell Lysate at 40ug
Lane 3: COLO320 Whole Cell Lysate at 40ug
Lane 4: HELA Whole Cell Lysate at 40ug
Lane 5: A549 Whole Cell Lysate at 40ug
Predicted bind size: 39KD
Observed bind size: 50KD

Anti-IRF2 Picoband 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.