

IRF1 Rabbit pAb

Catalog No.: A28508

Basic Information

Observed MW

46 kDa

Calculated MW

37 kDa

Category

Primary antibody

Applications

WB, ELISA

Cross-Reactivity

Mouse

Background

Enables DNA-binding transcription factor activity, RNA polymerase II-specific and sequence-specific DNA binding activity. Involved in several processes, including defense response to other organism; regulation of T cell activation; and regulation of gene expression. Acts upstream of or within CD8-positive, alpha-beta T cell differentiation; positive regulation of interleukin-12 production; and positive regulation of transcription by RNA polymerase II. Located in cytoplasm and nucleus. Is expressed in several structures, including bone marrow; early conceptus; eye; genitourinary system; and gut. Human ortholog(s) of this gene implicated in asthma; immunodeficiency 117; lung cancer (multiple); smallpox; and stomach cancer (multiple). Orthologous to human IRF1 (interferon regulatory factor 1).

Recommended Dilutions

WB 1:1000 - 1:6000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

16362

Swiss Prot

P15314

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

Irf-1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

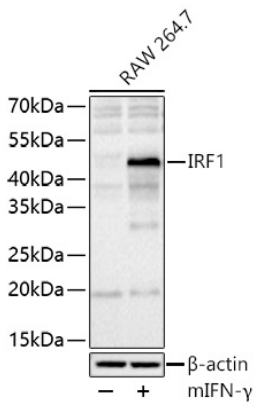
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from RAW 264.7 cells using IRF1 Rabbit pAb (A28508) at 1:3000 dilution incubated overnight at 4°C. RAW 264.7 cells were treated with mIFN- γ (100 ng/mL) for 18 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 20 s.