
Product Name: KD-Validated Interferon Regulatory Factor 3 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01732**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 47.2kDa

Antigen Information

Gene Name	IRF3
Alternative Names	IRF3; Interferon Regulatory Factor 3; IIAE7; IRF-3
Gene ID	3661.0
SwissProt ID	Q14653
Immunogen	A synthesized peptide derived from human IRF3

Background

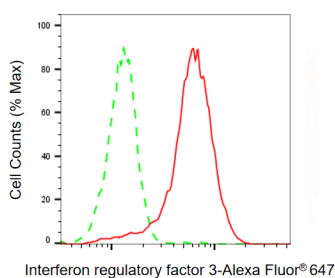
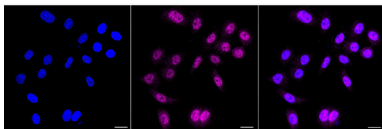
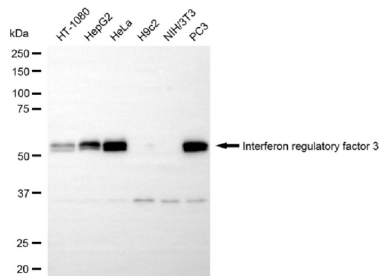
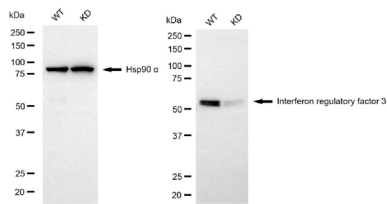
This gene encodes a member of the interferon regulatory transcription factor (IRF) family. The encoded protein is found in an inactive cytoplasmic form that upon serine/threonine phosphorylation forms a complex with CREBBP. This complex translocates to the nucleus and activates the transcription of interferons alpha and beta, as well as other interferon-induced

genes. The protein plays an important role in the innate immune response against DNA and RNA viruses. Mutations in this gene are associated with Encephalopathy, acute, infection-induced, herpes-specific, 7. [provided by RefSeq, Sep 2020]

Research Area

Immunology, Epigenetics and Nuclear Signaling, Microbiology

Image Data



Western blotting analysis using interferon regulatory factor 3 antibody (KVA01732). Interferon regulatory factor 3 expression in wild type (WT) and interferon regulatory factor 3 (IRF3) knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with interferon regulatory factor 3 antibody (KVA01732, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.

Western blotting analysis using Interferon regulatory factor 3 antibody (KVA01732). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Interferon regulatory factor 3 antibody (KVA01732, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.

Immunocytochemical staining of HepG2 cells with Interferon regulatory factor 3 antibody (KVA01732, 1:1,000). Nuclei were stained blue with DAPI; Interferon regulatory factor 3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.

Flow cytometric analysis of Interferon regulatory factor 3 expression in HepG2 cells using Interferon regulatory factor 3 antibody (KVA01732, 1:2,000). Green, isotype control; red, Interferon regulatory factor 3.