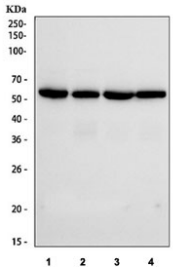
IRF3 Antibody / Interferon regulatory factor 3 (R30917)

Catalog No.	Formulation	Size
R30917	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q14653
Applications	Western blot: 0.5-1ug/ml
Limitations	This IRF3 antibody is available for research use only.



Western blot testing of human 1) HeLa, 2) Jurkat, 3) Raji and 4) HepG2 cell lysate with IRF3 antibody. Predicted molecular weight ~47 kDa.

Description

IRF3 Antibody specifically detects Interferon regulatory factor 3, a member of the interferon regulatory transcription factor (IRF) family. The gene is mapped on 19q13.33. IRF3 is found in an inactive cytoplasmic form that upon serine/threonine phosphorylation forms a complex with CREBBP. IRF3 plays an important role in the innate immune system's response to viral infection. Aggregated MAVS have been found to activate IRF3 dimerization. Although IRF3 increased transcriptional activity from an ISRE-containing promoter, expression of it as a Gal4 fusion protein did not activate expression of a chloramphenicol acetyltransferase (CAT) reporter gene containing repeats of the Gal4-binding sites. Translocation of IRF3 was accompanied by an increase in serine and threonine phosphorylation. The transcriptional activators CREBBP

and EP300 coimmunoprecipitated with IRF3 only subsequent to viral infection, and the authors stated that these are also subunits of DRAF1.

For broader characterization of IRF3-associated innate immune signaling and interferon regulatory pathways, see our IRF3 Antibody / Innate Immune Signaling Antibody page featuring clone PCRP-IRF3-6C8 with WB, IF, FACS, and HuProt(TM) microarray specificity validation data.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the IRF3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human Interferon regulatory factor 3 (KAYLQDLVEGMDFQGPGES) was used as the immunogen for this IRF3 antibody.

Storage

After reconstitution, the IRF3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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