

Anti-Interferon regulatory factor 3 IRF3 Antibody

Catalog Number: A00165

About IRF3

Interferons (IFN)s are involved in a multitude of immune interactions during viral infections and play a major role in both the induction and regulation of innate and adaptive antiviral mechanisms. During infection, host-virus interactions signal downstream molecules such as transcription factors such as IFN regulatory factor-3 (IRF3) which can act to stimulate transcription of IFN-alpha/beta genes. IRF3 is present in an inactive form in the cytoplasm of most cells. Following viral infection, IRF3 can be activated by I κ B kinase-epsilon and TANK-binding kinase 1 (TBK1), whereupon IRF3 translocates to the nucleus. IRF3 can also be activated by stimulation of toll-like receptor 3 (TLR3) by dsRNA. IRF3 exists as at least two distinct isoforms.

Overview

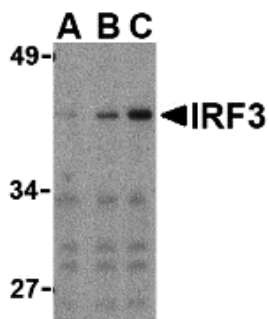
Product Name	Anti-Interferon regulatory factor 3 IRF3 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Interferon regulatory factor 3 IRF3 Antibody (Catalog # A00165). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	IRF3 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	IRF3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q14653

Technical Details

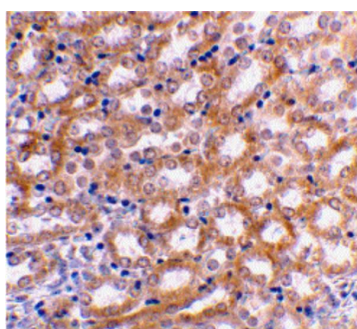
Immunogen	IRF3 antibody was raised against a peptide corresponding to 14 amino acids near the carboxy terminus of human IRF3. The immunogen is located within amino acids 330 - 380 of IRF3.
Predicted Reactive Species	Bovine, Pig
Cross Reactivity	At least three isoforms of IRF3 are known to exist.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

Purification	IRF3 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	IRF3 antibody can be used for detection of IRF3 by Western blot at 1 - 4 ug/mL. Antibody can also be used for immunohistochemistry starting at 2 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

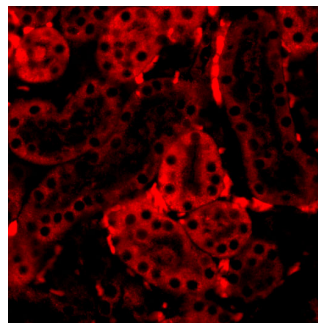
Anti-Interferon regulatory factor 3 IRF3 Antibody (A00165) Images



Western blot analysis of IRF3 in Ramos whole cell lysate with IRF3 antibody at (A) 1, (B) 2, and (C) 4 ug/mL.



Immunohistochemical staining of mouse kidney using IRF3 antibody at 2 ug/mL.



Immunofluorescence of IRF3 in Mouse Kidney cells with IRF3 antibody at 20 ug/mL.

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