

Anti-Interferon-inducible GTPase 5 IRGC Antibody

Catalog Number: A14937

About IRGC

Immunity-related GTPases (IRG) (also known as p47 GTPases) are a family of GTPase proteins found in vertebrates, which play critical roles in mediating innate resistance to intracellular pathogens. IRG genes have been found in a number of mammals and lower species including mice, rats, zebrafish and humans. Most of the mouse genes contain interferon-stimulated response elements which mediate transcriptional activation by IFNs. In humans, only two IRG genes have been found: human IRGC encodes a full-length IRG protein that, like the mouse homologue, is constitutively expressed in testis, while human IRGM encodes a considerably truncated protein that is constitutively expressed in cultured cells including some macrophage cell lines. As the two human genes IRGC and IRGM are not subject to IFN control, it has been suggested that the host resistance mechanism supported by IRG proteins in the mouse is lacking in humans.

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Overview

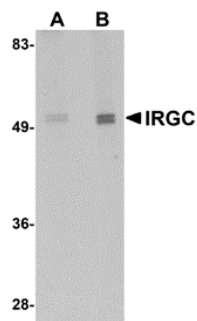
Product Name	Anti-Interferon-inducible GTPase 5 IRGC Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Interferon-inducible GTPase 5 IRGC Antibody (Catalog # A14937). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	IRGC Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	IRGC 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	Q6NXR0

Technical Details

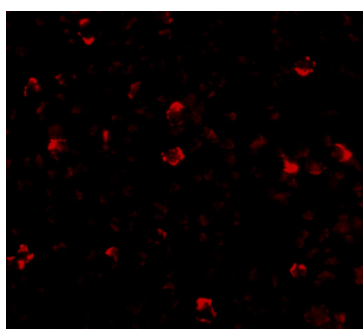
Immunogen	IRGC antibody was raised against a 12 amino acid synthetic peptide near the carboxy terminus of human IRGC. The immunogen is located within the last 50 amino acids of IRGC.
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Predicted Reactive Species	Bovine
Cross Reactivity	Two isoforms of IRGC are known to exist; this antibody will recognize both isoforms.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	IRGC Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	IRGC antibody can be used for detection of IRGC by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunocytochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunocytochemistry 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.

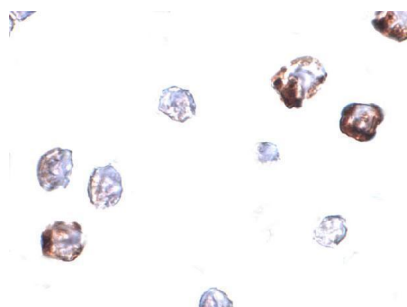
Anti-Interferon-inducible GTPase 5 IRGC Antibody (A14937) Images



Western blot analysis of IRGC in mouse brain tissue lysate with IRGC antibody at (A) 1 and (B) 2 ug/mL.



Immunofluorescence of IRGCb in A20 cells with IRGCb antibody at 20 ug/mL.



Immunocytochemistry of IRGC in A20 cells with IRGC antibody at 2.5 ug/mL.

[Anti-Interferon-inducible GTPase 5 IRGC Antibody](#)

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