

IRGC Antibody

Catalog No: #24944

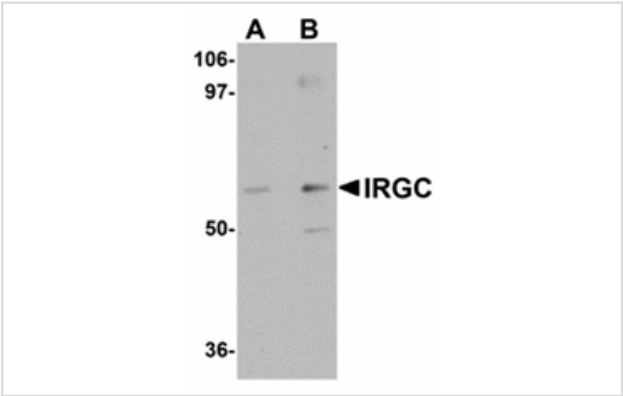


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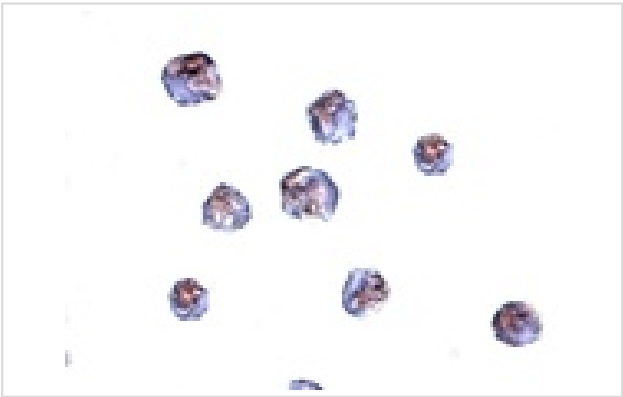
Description

Product Name	IRGC Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB ICC
Species Reactivity	Hu Ms Rt
Specificity	Two isoforms of IRGC are known to exist; this antibody will only recognize the IRGCa isoform.
Immunogen Type	Peptide
Immunogen Description	Raised against a 13 amino acid peptide near the amino terminus of human IRGC.
Target Name	IRGC
Other Names	Immunity-related GTPase cinema 1, Interferon-inducible GTPase 5, ligp5, CINEMA
Accession No.	NP_062558
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of IRGC in A20 cell lysate with IRGC antibody at (A) 1 and (B) 2 ug/mL.



Immunocytochemistry of IRGC in A20 cells with IRGC antibody at 5 ug/mL.

Background

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.

Note: This product is for in vitro research use only