

Datasheet for ABIN500066
anti-IRGC antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	0.1 mg
Target:	IRGC
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IRGC antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	IRGC antibody was raised against a 12 amino acid peptide near the carboxy terminus of human IRGC.
Isotype:	IgG
Specificity:	This antibody detects IRGC at C-term. It will recognize both isoforms.
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat
Purification:	Peptide affinity chromatography

Target Details

Target:	IRGC
Alternative Name:	IRGC (IRGC Products)

Target Details

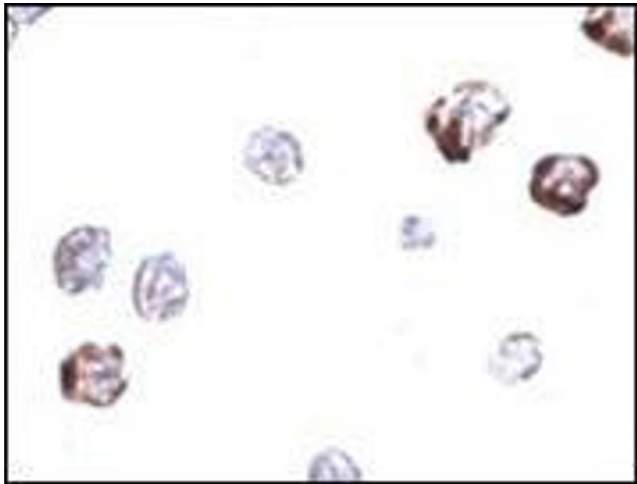
Background:	Immunity-related GTPases (IRG) (also known as p47 GTPases) are a family of GTPase proteins found in vertebrates, which play critical roles in mediating innate resistance to intracellular pathogens. IRG genes have been found in a number of mammals and lower species including mice, rats, zebrafish 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. Two isoforms of IRGC are known to exist. Synonyms: Cinema 1, IIGP5, IRGC1, Immunity-related GTPase cinema 1, Interferon-inducible GTPase 5
Gene ID:	56269
NCBI Accession:	NP_062558
UniProt:	Q6NXR0

Application Details

Application Notes:	ELISA. Western blot: 1 - 2 µg/mL. Immunocytochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

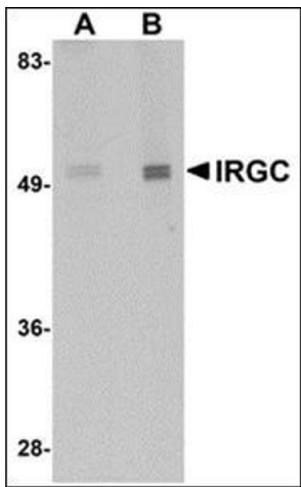
Handling

Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunofluorescence

Image 1. Immunocytochemistry of IRGC in A20 cells with this product at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of IRGC in mouse brain tissue lysate with this product at (A) 1 and (B) 2 µg/ml.