

IRGC Rabbit pAb

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Catalog # AP56367

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q6NXR0
Reactivity	Rat, Human
Predicted	Pig, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50288
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human IRGC
Epitope Specificity	301-400/463
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	IRGC (Immunity Related GTPase Cinema) is a Protein Coding gene. Diseases associated with IRGC include Solar Retinopathy and Echolalia. GO annotations related to this gene include GTP binding and hydrolase activity, acting on acid anhydrides. An important paralog of this gene is IRGM.

Additional Information

Gene ID	56269
Other Names	Interferon-inducible GTPase 5, 3.6.5.-, Immunity-related GTPase cinema 1 {ECO:0000312 HGNC:HGNC:28835}, IRGC (HGNC:28835), IIGP5, IRGC1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

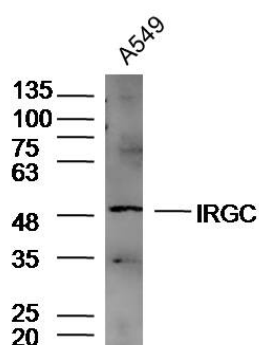
Name	IRGC (HGNC:28835)
Synonyms	IIGP5, IRGC1

Function	GTPase required for sperm motility and therefore male fertility, via positive regulation of spermatozoa fibrous sheath formation.
Cellular Location	Cell projection, cilium, flagellum. Lipid droplet. Note=Expressed in the sperm mitochondrial sheath.
Tissue Location	Abundantly expressed in semen (at protein level).

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Images



Sample:

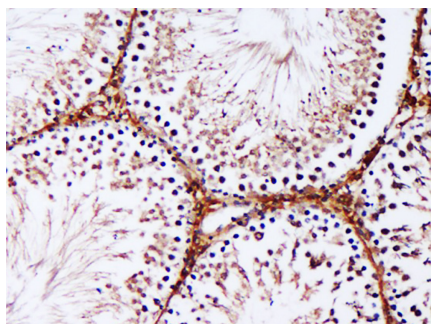
A549 Cell (Human) Lysate at 30 ug

Primary: Anti-IRGC (AP56367) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 50 kD

Observed band size: 50 kD



Tissue/cell: Rat testis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-IRGC Polyclonal Antibody, Unconjugated(AP56367) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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