

Rabbit IRGM Polyclonal Antibody | anti-IRGM antibody

IRGM Antibody

CATALOG # AAA39797	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, ELISA
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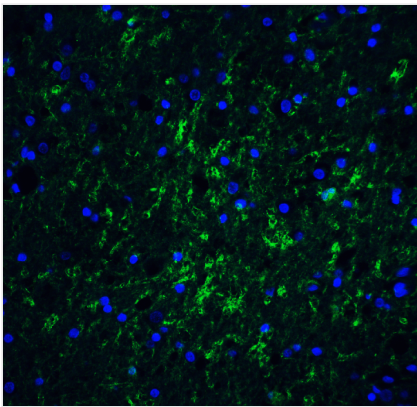
PRODUCT SYNONYMS

IRGM; Polyclonal Antibody; IRGM Antibody; IFI1; IRGM1; LRG47; LRG-47; Immunity-related GTPase family M protein; Immunity-related GTPase family M protein 1; immunity-related GTPase family; M; anti-IRGM antibody

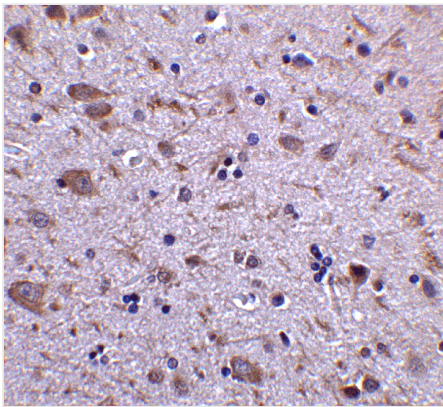
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	IRGM Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	178
Applicable Applications for anti-IRGM antibody	WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	IRGM antibody was raised against a 17 amino acid synthetic peptide near the amino terminus of the human IRGM.
Buffer	IRGM Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	IRGM antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to 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.

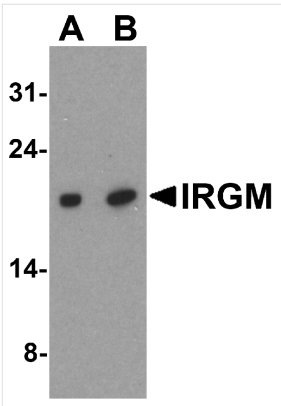
IMAGES



IF (Immunofluorescence)
Immunofluorescence of IRGM in Human Brain tissue with IRGM antibody at 20 μg/mL. Green: IRGM Antibody (4543)Blue: DAPI staining



IHC (Immunohistochemistry)
Immunohistochemistry of CD4 in human thymus tissue with CD4 antibody at 5 μg/mL.



WB (Western Blot)
Western blot analysis of IRGM expression in SK-N-SH cell lysate with IRGM antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-IRGM antibody	IRGM Antibody: Autophagy, the process of bulk degradation of cellular proteins through an autophagosomic-lysosomal pathway is important for normal growth control and may be defective in tumor cells. It is involved in the preservation of cellular nutrients under starvation conditions as well as the normal turnover of cytosolic components. Two of the strongest hits implicate genes IRGM and ATG16L1, which encode proteins thought to be critical to the autophagy pathway and being significantly associated with Crohn's disease. IRGM induces autophagy and generates large autolysosomal organelles as a mechanism for the elimination of intracellular Mycobacterium tuberculosis. In mouse, IRGM belongs to a family of gamma-interferon-induced GTP-binding proteins of approximately 48 kDa that also includes IRGM2 and IRGM3; this antibody may also recognize these proteins.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	118764009
NCBI GeneID	345611
UniProt Accession #	A1A4Y4; B3VEX0
Molecular Weight	20,142 Da
NCBI Official Full Name	IRGM protein
NCBI Official Synonym Full Names	immunity-related GTPase family, M
NCBI Official Symbol	IRGM

NCBI Official Synonym Symbols	IFI1; IRGM1; LRG47; LRG-47
NCBI Protein Information	immunity-related GTPase family M protein; LRG-47-like protein; interferon-inducible protein 1; immunity-related GTPase family, M1; LPS-stimulated RAW 264.7 macrophage protein 47 homolog
UniProt Protein Name	Immunity-related GTPase family M protein
UniProt Gene Name	IRGM
UniProt Synonym Gene Names	IFI1; IRGM1; LRG47; LRG-47
UniProt Entry Name	IRGM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/irgm-antibody-western-blot-elisa/39797>