

Rabbit IRGM Polyclonal Antibody | anti-IRGM antibody

IRGM Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA302534	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

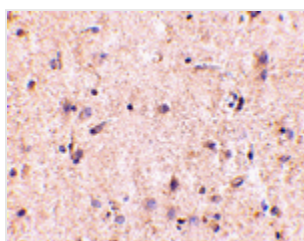
PRODUCT SYNONYMS

IRGM; Polyclonal Antibody; IRGM Antibody; Immunity related GTPase family; IFL1; IRGM1; LRG47; LRG-47; anti-IRGM antibody

PRODUCT SPECIFICATIONS

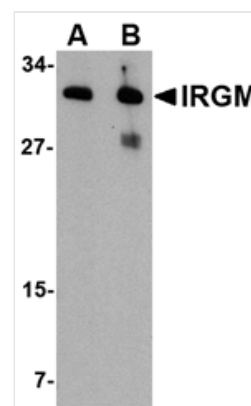
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	178
Applicable Applications for anti-IRGM antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 14 amino acid peptide near the center of the human IRGM.
Target Name	IRGM
Preparation and Storage	Can be stored at -20 degree 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



IHC (Immunohistochemistry)

Immunohistochemistry of IRGM in human brain with IRGM antibody at 5 ug/mL.



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-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. In mouse, IRGM belongs to a family of gamma-interferon-induced GTP-binding proteins of approximately 48 kDa. Murine IRGM induces autophagy and generates large autolysosomal organelles as a mechanism for the elimination of intracellular Mycobacterium tuberculosis. Human IRGM is also involved in autophagy and plays a role in the control of intracellular pathogens and in the reduction of intracellular bacillary load.
Product Categories/Family for anti-IRGM antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	118764009
NCBI GeneID	345611
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
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.