

Datasheet: AHP1887

BATCH NUMBER 161174

Description:	RABBIT ANTI IRGM (INTERNAL REGION)
Specificity:	IRGM (INTERNAL REGION)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin (1)	▪			5ug/ml
Western Blotting	▪			1 - 2ug/ml
Immunofluorescence	▪			20ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Antiserum Preparation

Antiserum to human IRGM was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers	0.02% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Synthetic peptide corresponding to a 14 aa sequence from near the centre of human IRGM.
External Database Links	<p>UniProt:</p> <p>A1A4Y4 Related reagents</p> <p>Q6AYC2 Related reagents</p> <p>Q60766 Related reagents</p> <p>Entrez Gene:</p> <p>345611 IRGM Related reagents</p> <p>303090 Irgm Related reagents</p> <p>15944 Irgm1 Related reagents</p>
Synonyms	lfi1, IFI1, ligp3, Irgm, IRGM1, LRG47
RRID	AB_1898227
Specificity	<p>Rabbit anti IRGM (Internal Region) antibody recognizes human Immunity-related GTPase family M protein (IRGM), also known as LRG47.</p> <p>IRGM is a putative GTPase required for clearance of bacterial and protozoan infections. It functions in the innate immune response, most likely through regulation of autophagy.</p> <p>IRGM may also function in the regulation of proinflammatory cytokine production and in macrophage adhesion and motility.</p>
Histology Positive Control Tissue	Human brain
Western Blotting	AHP1887 detects a band of approximately 32 kDa in human brain cell lysate.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at:

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR54...) [HRP](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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