

## Datasheet: AHP1887

**BATCH NUMBER 161174**

<b>Description:</b>	RABBIT ANTI IRGM (INTERNAL REGION)
<b>Specificity:</b>	IRGM (INTERNAL REGION)
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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

<b>Preservative Stabilisers</b>	0.02% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	Synthetic peptide corresponding to a 14 aa sequence from near the centre of human IRGM.
<b>External Database Links</b>	<p><b>UniProt:</b></p> <p><a href="#">A1A4Y4</a>      <a href="#">Related reagents</a></p> <p><a href="#">Q6AYC2</a>      <a href="#">Related reagents</a></p> <p><a href="#">Q60766</a>      <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">345611</a>    IRGM    <a href="#">Related reagents</a></p> <p><a href="#">303090</a>    Irgm    <a href="#">Related reagents</a></p> <p><a href="#">15944</a>    Irgm1   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	Ifi1, IFI1, Iigp3, Irgm, IRGM1, LRG47
<b>RRID</b>	AB_1898227
<b>Specificity</b>	<p><b>Rabbit anti IRGM (Internal Region) antibody</b> 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>
<b>Histology Positive Control Tissue</b>	Human brain
<b>Western Blotting</b>	AHP1887 detects a band of approximately 32 kDa in human brain cell lysate.
<b>Storage</b>	<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>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	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 \(STAR209P\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

'M382830:210513'

**Printed on 19 Jan 2024**