

Datasheet: AHP1887

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.
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	UniProt:

[A1A4Y4](#) [Related reagents](#)

[Q6AYC2](#) [Related reagents](#)

[Q60766](#) [Related reagents](#)

Entrez Gene:

[345611](#) IRGM [Related reagents](#)

[303090](#) Irgm [Related reagents](#)

[15944](#) Irgm1 [Related reagents](#)

Synonyms Ifi1, IFI1, Iigp3, Irgm, IRGM1, LRG47

Specificity **Rabbit anti IRGM (Internal Region) antibody** recognizes human Immunity-related GTPase family M protein (IRGM), also known as LRG47.

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.

IRGM may also function in the regulation of proinflammatory cytokine production and in macrophage adhesion and motility.

Histology Positive Control Tissue Human brain

Western Blotting AHP1887 detects a band of approximately 32 kDa in human brain cell lysate.

Storage Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000A\)](#)

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

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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

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