

Datasheet: AHP1481B

BATCH NUMBER 155737

Description:	RABBIT ANTI HUMAN GALECTIN-3:Biotin
Specificity:	GALECTIN-3
Other names:	MAC-2
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			0.25 - 1.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/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.

Target Species	Human
Species Cross Reactivity	<p>Reacts with: Mouse</p> <p>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.</p>
Product Form	Purified IgG conjugated to Biotin - lyophilised
Reconstitution	<p>Reconstitute with 0.5ml sterile PBS containing 0.1% bovine serum albumin</p> <p>Care should be taken during reconstitution as the protein may appear as a film at the</p>

bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended.

Antiserum Preparation Antiserum to human galectin-3 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 None present

Carrier Free Yes

Approx. Protein Concentrations IgG concentration 0.1mg/ml

Immunogen [Recombinant human galectin-3](#).

External Database Links

UniProt:
[P17931](#) [Related reagents](#)

Entrez Gene:
[3958](#) LGALS3 [Related reagents](#)

Synonyms MAC2

RRID AB_1102581

Specificity **Rabbit anti Human Galectin-3 antibody** recognizes human Galectin-3 (Gal-3), also known as the Mac-2 antigen. Gal-3 is a 250 amino acid ~35 kDa member of the galectin family of beta-galactoside-binding proteins, which is involved in both intracellular and extracellular functions and exhibits anti-apoptotic properties.

Gal-3 is implicated in many biological processes, including cell differentiation, growth, adhesion, angiogenesis and inflammation, and is expressed in a wide range of neoplasms. Gal-3 acts as a regulator of tumour metastasis, and several studies have shown a correlation between levels of Gal-3 and tumour progression in liver, thyroid, colon, gastric and breast carcinomas, making Gal-3 an emerging cancer marker.

Western Blotting AHP1481B may be used under either reducing or non-reducing conditions with [PHP188](#) as the positive control.

References 1. Chen, Y.X. *et al.* (2015) The Sirt1 activator SRT1720 attenuates angiotensin II-induced atherosclerosis in apoE^{-/-} mice through inhibiting vascular inflammatory response. [Biochem Biophys Res Commun. 465 \(4\): 732-8.](#)

Further Reading 1. Dumic, J. *et al.* (2006) Galectin-3: an open-ended story. [Biochim Biophys Acta. 1760 \(4\): 616-35.](#)

Storage Prior to reconstitution store at -20°C.
After reconstitution store at -20°C.

This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10162 available at:
<https://www.bio-rad-antibodies.com/SDS/AHP1481B>
10162

Regulatory For research purposes only

Related Products

Recommended Positive Controls

[RECOMBINANT HUMAN GALECTIN-3 \(PHP188\)](#)

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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)

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