

Datasheet: AHP1481B

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| 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 |

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. 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 the appropriate negative/positive controls.

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| 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 - lyophilized |

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| Reconstitution | Reconstitute with 0.5ml sterile PBS containing 0.1% bovine serum albumin Care should be taken during reconstitution as the protein may appear as a film at the 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 | <p>UniProt: P17931 Related reagents</p> <p>Entrez Gene: 3958 LGALS3 Related reagents</p> |
| Synonyms | MAC2 |
| RRID | AB_1102581 |
| Specificity | <p>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.</p> <p>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.</p> |
| Western Blotting | AHP1481B may be used under either reducing or non-reducing conditions with PHP188 as the positive control. |
| References | 1. Chen, Y.X. <i>et al.</i> (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. Dunic, 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

Acknowledgements PrecisionAb is a trademark of Bio-Rad Laboratories

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

Regulatory For research purposes only

Related Products

Recommended Positive Controls

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

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|----------------------------------|---|------------------|---|---------------|---|
| North & South America | Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: 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 | Europe | Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com |
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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)
'M393615:220113'

Printed on 13 Jan 2022

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