

Datasheet: VPA00076KT

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| Description: | GALECTIN-3 ANTIBODY WITH CONTROL LYSATE |
| Specificity: | GALECTIN-3 |
| Other names: | MAC-2 |
| Format: | Purified |
| Product Type: | PrecisionAb™ Polyclonal |
| Isotype: | Polyclonal IgG |
| Quantity: | 2 Westerns |

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 |
|------------------|-----|----|----------------|--------------------|
| Western Blotting | ▪ | | | 1/1000 |

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

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| 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 |
| Preparation | 20µl Rabbit polyclonal antibody purified by affinity chromatography |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.09% Sodium Azide (NaN ₃) |
| Immunogen | Recombinant human galectin-3 |
| External Database Links | <p>UniProt: P17931 Related reagents</p> <p>Entrez Gene: 3958 LGALS3 Related reagents</p> |

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| Synonyms | MAC2 |
| Specificity | <p>Rabbit anti Human galectin-3 antibody recognizes human galectin-3, a member of the galectin family of beta-galactoside-binding proteins which are involved in both intracellular and extracellular functions and exhibit anti-apoptotic properties.</p> <p>Galectin-3 is implicated in many biological processes, including cell differentiation, growth, adhesion, angiogenesis and inflammation, and is expressed in a wide range of neoplasms. Galectin-3 acts as a regulator of tumor metastasis, and several studies have shown a correlation between levels of galectin-3 and tumor progression in liver, thyroid, colon, gastric and breast carcinomas, making galectin-3 an emerging cancer marker.</p> <p>Rabbit anti Human galectin-3 antibody detects a single band of 26 kDa in a range of human cell line lysates. Cross reactivity with rodent cell lines is also observed.</p> |
| Western Blotting | Rabbit anti galectin-3 detects a band of approximately 26 kDa in MCF7 cell lysates. |
| Instructions For Use | Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page. |
| Lysate Composition | 400µg MCF7 lysate lyophilized in RIPA buffer. |
| Lysate Reconstitution | <p>- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.</p> <p>- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</p> <p>Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.</p> |
| Storage | <p>Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p> <p>Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.</p> |
| Guarantee | As supplied, 12 months from date of despatch. |
| Acknowledgements | PrecisionAb™ is a trademark of Bio-Rad Laboratories. |
| Health And Safety Information | <p>Material Safety Datasheet documentation #10040 #10561 available at:</p> <p>Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</p> <p>Lysate Material (10561): https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf</p> |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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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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