

Datasheet: MCA4750GA

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| Description: | MOUSE ANTI HUMAN PROTEIN GENE PRODUCT 9.5 |
| Specificity: | PROTEIN GENE PRODUCT 9.5 |
| Other names: | PGP 9.5, UCHL1 |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | BH7 |
| Isotype: | IgG1 |
| Quantity: | 0.1 ml |

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 | | | ▪ | |
| Immunoprecipitation | | | ▪ | |
| Western Blotting | ▪ | | | 1/5000 |
| Immunofluorescence | ▪ | | | 1/500 |

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.

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| Target Species | Human |
| Species Cross Reactivity | <p>Reacts with: Mouse, Rat, Bovine</p> <p>Based on sequence similarity, is expected to react with:Mammals</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 - liquid |

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| Preparation | Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.03% Sodium Azide 50% Glycerol |
| Approx. Protein Concentrations | IgG concentration 1.0 mg/ml |
| Immunogen | Recombinant full length human PGP9.5 purified from <i>E.coli</i> . |
| External Database Links | <p>UniProt:</p> <p>P09936 Related reagents</p> <p>Q9R0P9 Related reagents</p> <p>Q00981 Related reagents</p> <p>P23356 Related reagents</p> <p>Entrez Gene:</p> <p>7345 UCHL1 Related reagents</p> <p>22223 Uchl1 Related reagents</p> <p>514394 UCHL1 Related reagents</p> <p>29545 Uchl1 Related reagents</p> |
| Specificity | <p>Mouse anti Human protein gene product 9.5 monoclonal antibody, clone BH7 recognizes protein gene product 9.5 (PGP9.5) also known as ubiquitin C terminal hydrolase 1 (UCH-L1). UCH-L1 is a thiol protease that recognises and hydrolyses a peptide bond at the C-terminal glycine of ubiquitin. This protein is closely related to UCH-L3 and both are thought to recycle ubiquitin to maintain pools of monomeric ubiquitin necessary for proteolysis. UCH-L1 is expressed in neurons and cells of the diffuse neuroendocrine system and their tumours.</p> <p>UCH-L1 and UCH-L3 have been shown to have separate and overlapping functions in the maintenance of neurons of the gracile tract, nucleus tractus solitarius (NTS) and area postrema (Kurihara et al. 2001).</p> |
| Western Blotting | Clone BH7 detects a band of approximately 24 kDa in rat hippocampal lysate |
| References | 1. Peyrot des Gachons, C. <i>et al.</i> (2011) Unusual pungency from extra-virgin olive oil is attributable to restricted spatial expression of the receptor of oleocanthal. J Neurosci. 31: 999-1009. |
| Storage | <p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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</p> |

microcentrifugation before use.

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| Guarantee | 12 months from date of despatch |
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| Health And Safety Information | Material Safety Datasheet documentation #10049 available at: 10049: https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf |
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| Regulatory | For research purposes only |
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Related Products

Recommended Secondary Antibodies

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| Goat Anti Mouse IgG IgA IgM (STAR87...) | Alk. Phos. , HRP |
| Goat Anti Mouse IgG (STAR77...) | HRP |
| Rabbit Anti Mouse IgG (STAR12...) | RPE |
| Rabbit Anti Mouse IgG (STAR8...) | DyLight®800 |
| Rabbit Anti Mouse IgG (STAR13...) | HRP |
| Goat Anti Mouse IgG (STAR76...) | RPE |
| Goat Anti Mouse IgG (STAR70...) | FITC |
| Goat Anti Mouse IgG (Fc) (STAR120...) | FITC , HRP |
| Goat Anti Mouse IgG (H/L) (STAR117...) | Alk. Phos. , DyLight®488 , DyLight®680 , DyLight®800 , FITC , HRP |
| Rabbit Anti Mouse IgG (STAR9...) | FITC |

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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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)
'M372143:200625'

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