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: 13C4
Isotype: IgG2a
Quantity: 0.2 ml

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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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</thead>
<tbody>
<tr>
<td>Immunohistology - Paraffin</td>
<td></td>
<td></td>
<td></td>
<td>1/200</td>
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<td>(1)</td>
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<td>ELISA</td>
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<td>Western Blotting</td>
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<td>1/100 - 1/1000</td>
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<tr>
<td>Immunofluorescence</td>
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</tbody>
</table>

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.

(1) Antigen is stable in formalin fixed paraffin embedded sections, however we recommend fixation in 95% ethanol/5% acetic acid for 2-3 hours prior to paraffin embedding. Can be used without acid/ethanol fixation if the sections are subjected to microwave treatment in citrate buffer by standard methods.

Target Species

Human

Species Cross Reactivity

Reacts with: Rat, Guinea Pig, Pig, Beaver, Donkey

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.
Product Form | Purified IgG - liquid
Preparation | Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution | Phosphate buffered saline
Preservative Stabilisers | 0.09% Sodium Azide (NaN₃)
Carrier Free | Yes
Approx. Protein Concentrations | 1 mg/ml
Immunogen | Native, from brain

External Database Links
UniProt: [P09936](https://www.uniprot.org/uniprot/P09936) Related reagents
Entrez Gene: [7345](https://www.ncbi.nlm.nih.gov/gene/7345) UCHL1 Related reagents

RRID | AB_620255

Specificity
**Mouse anti Human protein gene product 9.5 antibody, clone 13C4** recognizes protein gene product 9.5 (PGP9.5), a ubiquitin hydrolase widely expressed in neuronal tissues representing, by weight 1-2% of total soluble brain proteins. PGP9.5, also known as ubiquitin C-terminal hydrolase 1 (UCHL-1), is involved in the regulation of the ubiquitin pathway.

Mouse anti Human protein gene product 9.5 antibody, clone 13C4 stains neuronal cell bodies and axons in the CNS and periphery, small nerve fibres in peripheral tissues, neuroendocrine cells in the pituitary, thyroid, pancreas and tumours of the DNES. Mouse anti Human protein gene product 9.5 antibody, clone 13C4 stains neuroendocrine cells in human adult gut (unlike Mouse anti Human Protein Gene Product 9.5 antibody, clone 31A3).

Clones 31A3 and 13C4 each recognize a different epitope towards the N-terminus of the protein.

References

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.

Guarantee
12 months from date of despatch

Health And Safety
Material Safety Datasheet documentation #10040 available at:
Related Products

**Recommended Secondary Antibodies**

- Goat Anti Mouse IgG (STAR77...)  HRP
- Rabbit Anti Mouse IgG (STAR12...)  RPE
- Goat Anti Mouse IgG IgA IgM (STAR87...)  Alk. Phos., HRP
- Goat Anti Mouse IgG (STAR76...)  RPE
- Goat Anti Mouse IgG (Fc) (STAR120...)  FITC, HRP
- Rabbit Anti Mouse IgG (STAR13...)  HRP
- Goat Anti Mouse IgG (STAR70...)  FITC
- Goat Anti Mouse IgG (H/L) (STAR117...)  Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP
- Rabbit Anti Mouse IgG (STAR9...)  FITC

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Email: antibody_sales_us@bio-rad.com  Email: antibody_sales_uk@bio-rad.com  Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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