**Description:** MOUSE ANTI RAT NEUROFILAMENT 200kDa

**Specificity:** NEUROFILAMENT H 200kDa

**Other names:** NEUROFILAMENT HEAVY POLYPEPTIDE

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** RT97

**Isotype:** IgG1

**Quantity:** 0.1 mg

**RRID** AB_1102789

### Applications

<table>
<thead>
<tr>
<th>Method</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
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<tr>
<td>Immunohistology - Frozen</td>
<td></td>
<td>✔</td>
<td></td>
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<tr>
<td>Immunohistology - Paraffin</td>
<td>✔</td>
<td></td>
<td></td>
<td>1/50 - 1/100</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<tr>
<td>Western Blotting</td>
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</table>

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

**Target Species**

- Rat

**Species Cross Reactivity**

- Reacts with: Reptile, Human, Chicken, Pig, Mouse

**N.B.** Antibody reactivity and working conditions may vary between species.

**Product Form**

- Purified IgG - liquid

**Preparation**

- Purified IgG prepared by hydrophobic interaction chromatography from tissue culture supernatant

**Buffer Solution**

- Phosphate buffered saline

**Preservative Stabilisers**

- 0.1% Sodium Azide (NaN₃)
- 0.1% Bovine Serum Albumin

**Approx. Protein Concentrations**

- IgG concentration 0.1 mg/ml
Immunogen

Triton X-100-insoluble rat brain protein.

External Database Links

UniProt: P16884 Related reagents

Entrez Gene: 24587 Nefh Related reagents

Synonyms

Nfh

Specificity

Mouse anti Rat Neurofilament 200 kDa antibody, clone RT97 recognizes the 200 kDa neurofilament protein in a range of species. Mouse anti Rat Neurofilament 200 kDa antibody, clone RT97 stains various tumors including phaeochromocytoma, paraganglioma and ganglioneuroblastoma.

Mouse anti Rat Neurofilament 200kDa antibody, clone RT97 also recognizes a phosphorylation dependent epitope on fetal tau, Alzheimer's paired helical filament-tau and on microtubule associated protein 1B (MAP1B) by western blotting, however similar reactivity was not apparent in immunohistochemical studies (Johnstone et al. 1997).

Immunohistology

This product does not require protein digestion pre-treatment of paraffin sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.

Histology Positive Control Tissue

Brain or spinal cord

References


Storage
Store at +4°C or at -20°C if preferred.

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
18 months from date of despatch.

Health And Safety

Regulatory
For research purposes only

Related Products

Recommended Secondary Antibodies

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
Rabbit Anti Mouse IgG (STAR9...) FITC
Goat Anti Mouse IgG (H/L) (STAR117...)

**Recommended Negative Controls**

**MOUSE IgG1 NEGATIVE CONTROL (MCA1209)**

<table>
<thead>
<tr>
<th>North &amp; South America</th>
<th>Tel: +1 800 265 7376</th>
<th>Fax: +1 919 878 3751</th>
<th>Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a></th>
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<tr>
<td>Worldwide</td>
<td>Tel: +44 (0)1865 852 700</td>
<td>Fax: +44 (0)1865 852 739</td>
<td>Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a></td>
</tr>
<tr>
<td>Europe</td>
<td>Tel: +49 (0) 89 8090 95 21</td>
<td>Fax: +49 (0) 89 8090 95 50</td>
<td>Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a></td>
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