Datasheet: MCA1321

<table>
<thead>
<tr>
<th>Description:</th>
<th>MOUSE ANTI RAT NEUROFILAMENT 200kDa</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity:</td>
<td>NEUROFILAMENT H 200kDa</td>
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<tr>
<td>Other names:</td>
<td>NEUROFILAMENT HEAVY POLYPEPTIDE</td>
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<tr>
<td>Format:</td>
<td>Purified</td>
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<tr>
<td>Product Type:</td>
<td>Monoclonal Antibody</td>
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<tr>
<td>Clone:</td>
<td>RT97</td>
</tr>
<tr>
<td>Isotype:</td>
<td>IgG1</td>
</tr>
<tr>
<td>Quantity:</td>
<td>0.2 mg</td>
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Product Details

Applications

<table>
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<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Western Blotting</td>
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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.abdserotec.com/protocols](http://www.abdserotec.com/protocols).

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

0.09% Sodium Azide (NaN₃)

Approx. Protein Concentrations

IgG concentration 1.0 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 200k Da 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**

12. Doering, L.C. (1991) Transplantation of fetal CNS tissue into the peripheral nervous


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.

Shelf Life

18 months from date of despatch.

Health And Safety


Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR8...) DyLight®800
Goat Anti Mouse IgG (STAR76...) RPE
Goat Anti Mouse IgG (STAR77...) HRP
Rabbit Anti Mouse IgG (STAR9...) FITC
Goat Anti Mouse IgG IgA IgM (STAR87...) Alk. Phos., HRP
Rabbit Anti Mouse IgG (STAR12...) RPE
Rabbit Anti Mouse IgG (STAR13...) HRP
HuCAL Anti Mouse IgG1 (HCA036...) HRP
Goat Anti Mouse IgG (Fc) (STAR120...) FITC, HRP
Goat Anti Mouse IgG (STAR70...) FITC
Goat Anti Mouse IgG (H/L) (STAR117...) Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®800, FITC, HRP