Neurofilament (2F11)

Forma	Catalog No.	Pack size	Dilution
Concentrated	G00020 A, B, C	0.1, 0.5, 1.0 mL	1:100-200
Prediluted	G00020 AA, BB	6.0, 3.0 mL	Ready to use

SPECIES: Mouse

IMMUNOGEN: Human NF-H from isolated brain cells

CLONE: 2F11

ISOTYPE: IgG1/Kappa

FORMAT: This antibody has been pre-titered and quality controlled to work on formalin-fixed paraffin-embedded as well as acetone fixed cryostat tissue sections. No further titration is required.

SPECIES REACTIVITY : Human, Mouse, Rat

POSITIVE CONTROL : IMR-32 cells. Cerebellum or Neuroblastoma.

CELLULAR LOCALIZATION : Neurons, peripheral nerves, and sympathetic ganglion cells.

INTENDED USE: For Research Use Only(RUO).

BACKGROUND: The 200 kDa and 68 kDa proteins that are recognised as the heavy and light subunits of neurofilaments (NF-H NF-L) react with this MAb. Neurofilaments, which are present in neurones, peripheral nerves, and sympathetic ganglion cells, are the primary structural components of axons and dendrites. The three main subunits that make up neurofilaments have molecular weights of 68 kDa for NF-L, 160 kDa for NF-M, and 200 kDa for NF-H. Numerous neuronal, neuroendocrine, and endocrine tumours are stained by anti-neurofilament. Anti-neurofilament staining is positive for neuromas, ganglioneuromas, gangliogliomas, ganglioneuroblastomas, and neuroblastomas. Adrenal and extra-adrenal pheochromocytomas, as well as paragangliomas, also contain neurofilaments. Neurofilament is also expressed by carcinoids, cutaneous neuroendocrine carcinomas, and lung oat cell carcinomas.

MICROBIOLOGICAL STATE : Non-sterile product; store according to recommended guidelines.

RECOMMEDNED USAGE:

- **Immunohistochemistry (IHC):** 1–2 µg/ml
  - Requires Tris-EDTA (pH 9.0) antigen retrieval at 95°C for 45 min, followed by cooling for 20 min at RT
- **Immunofluorescence (IF):** 1–3 µg/ml
- **Storage Conditions:** 1–3 µg/ml
  - With azide: 2–8°C
  - Without azide: –20 to –80°C

- **Stability:** 24 months

LIMITATIONS AND USES:

1. Contains 0.05% sodium azide – handle with care
2. Avoid skin and mucosal contact
3. Not intended for diagnostic or therapeutic use

STABILITY AND STORAGE –

Avoid freezing. Keep between 2 and 8°C. After use, immediately return to 2–8°C. Never use after the label's stated expiration date. Before using the antibody, visually confirm that it hasn't been contaminated. If the reagent precipitates or gets hazy, do not use it.

RESTRICTIONS–

Histological and immunological detection techniques are both used in the intricate process of immunohistochemistry. Results from tissue handling and processing before immunostaining can vary. Results may differ depending on the intrinsic characteristics of the tissue samples or on differences in fixation and embedding. Depending on the detection method employed, endogenous biotin and endogenous peroxidase or pseudoperoxidase activity in erythrocytes may result in non-specific staining. The methods and suggestions in this data sheet were verified with Genebio IHC reagents and might not work with other detection systems.

TECHNICAL SUPPORT

For technical assistance, please contact Genebio Solution's Technical Support at www.genebiosolution.com