Mouse anti Neurofilaments (200kDa&68kDa) Monoclonal Antibody

Alternative Name(s): 200kDa-Neurofilament, heavy polypeptide; NFH, 68kDa-Neurofilament, light chain; NFL

Order Information

- **Description:** Neurofilaments (200kDa&68kDa)
- **Catalogue:** 500-1984
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** ABM145
- **Application:** IHC(P), WB,
- **Reactivity:** Hu

ANTIGEN PREPARATION

200kDa Da)

BACKGROUND

Neurofilaments, NF heavy chain (NFH, 200 kda) and light chain (NFL, 68 kDa), are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and functionally maintain neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. Detection of NFH or NGL, and the subunits of NF, may serve as a biomarker for axonal degeneration. The degree of axonal degeneration is related to the amount of NF detected in the cerebrospinal fluid (CSF) and the blood. Neurofilament light (NF-L) levels are elevated in Alzheimer's Disease.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antbody recognizes human Neurofilaments (200kDa&68kDa). The other species not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

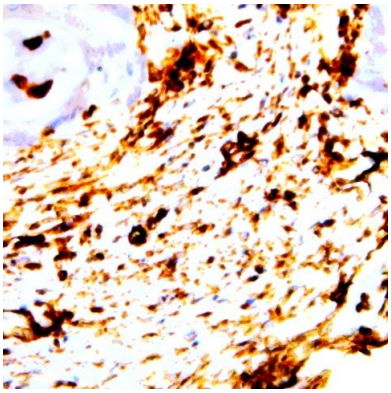
APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 200&68
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

AbboMax, Inc 2528 Qume Drive, Suite 8, San Jose, California 95131, USA
1 408-573-1898 (Tel). 1 408-573-1858 (Fax). www.abbomax.com info@abbomax.com

DATA ATTACHMENTS



Immunohistochemistry: Human Breast carcinoma (FFPE) stained with Mouse anti-Neurofilament (Cat# 500-1984) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

AbboMax, Inc 2528 Qume Drive, Suite 8, San Jose, California 95131, USA
1 408-573-1898 (Tel). 1 408-573-1858 (Fax). www.abbomax.com info@abbomax.com