Rat Neurofilament Monoclonal Antibody

Anti-Neurofilament Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214178	**Rat**	**Human, Mouse, Rat, Bovine, Avian**	**Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

Neurofilament; Monoclonal Antibody; Anti-Neurofilament Antibody; anti-Neurofilament antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Human, Mouse, Rat, Bovine, Avian
Clonality	Monoclonal
Isotype	IgG1
Specificity	Anti-Neurofilament Antibody recognizes Neurofilament-Heavy (NF-H) and stains sharply defined cytoplasmic filaments in neuronal cell bodies particularly axons.
Purity/Purification	Affinity-purified from hybridoma supernatant by affinity-chromatography.
Form/Format	Liquid; PBS, pH 7.4 with 0.05% sodium azide
Concentration	100ug/100ul (varies by lot)
Applicable Applications for anti-Neurofilament antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Semi-purified neurofilaments from homogenate of rat brain.
Preparation and Storage	This product is stable for several weeks at 4 degree C as an undiluted liquid. Dilute only prior to immediate use. For extended storage, aliquot contents and freeze at -20 degree C or below. Avoid cycles of freezing and thawing.

ADDITIONAL INFORMATION

Related Product Information for anti-Neurofilament antibody	Neurofilaments comprise the exoskeleton and functionally maintain the quality of neurons. They are composed of light, medium, and heavy chains. Encoded by the NEFH gene, the heavy neurofilament protein is commonly used as a biomarker of neuronal damage. Mutations in the NEFH gene have also been associated with susceptibility to amyotrophic lateral sclerosis (ALS). The Anti-Neurofilament Antibody robustly recognizes polyphosphorylated epitopes on neurofilaments and to a much lesser extent, on other molecules such as histones and rhodopsin. The antibody also reacts with neurofibrillary tangles and plaques and cross-reacts with neurofilament medium. Thus, the Anti-Neurofilament Antibody can be used as a cell marker for neurons.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/neurofilament-antibody-immunohistochemistry-western-blot-elisa/214178