

DATASHEET

Neurofilament Mouse Monoclonal Antibody(ARB505)

CAT. NO. ARB6797

KEY FEATURES

Target	Neurofilament	Clonality	Monoclonal
Clone ID	ARB505	Applications	IHC
Source / Host	Mouse	Dilution	1:100-1:200
Reactivity	Human	Storage	at-20°C

BACKGROUND

Neurofilaments are the major intermediate filaments found in neurons and consist of light (NFL), medium (NFM), and heavy (NFH) subunits. Similar in structure to other intermediate filament proteins, neurofilaments have a globular amino-terminal head, a central α -helical rod domain, and a carboxy-terminal tail. A heterotetrameric unit (NFL-NFM and NFL-NFH) forms a protofilament, with eight protofilaments comprising the typical 10 nm intermediate filament. Research studies have shown neurofilament accumulations in many human neurological disorders including Parkinson's disease (in Lewy bodies along with α -synuclein), Alzheimer's disease, Charcot-Marie-Tooth disease, and Amyotrophic Lateral Sclerosis (ALS). Neurofilament antibody mainly stains neurons in tissue sections of brain and other tissues. Neurofilament has been shown to react with neuroblastomas, gangliomas, pheochromocytomas, Merkel cell tumors and carcinoid tumors.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

IHC	1:100 - 1:200
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

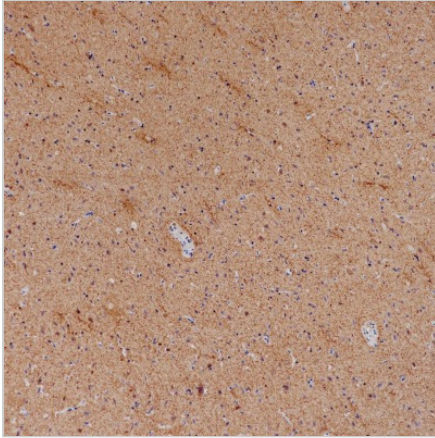
Predicted Molecular Wt	102kDa
Purity	ProA affinity purified IgG
Subcellular location	Cytoplasm
Swissprot ID	P07197
Immunogen	Recombinant fragment within Human HB Sag was used as an immunogen.
Storage Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%
Recommended Method	Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Immunohistochemical staining of human brain tissue using Neurofilament Mouse Monoclonal Antibody(ARB505)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com