



Rabbit Anti-NEFH monoclonal antibody, clone KG00-18 (DCABH-8821)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Neurofilament heavy polypeptide
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	KG00-18
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IHC
Molecular Weight	200 kDa
Cellular Localization	Cytoplasm.
Positive Control	Rat cerebellum tissue, mouse brain tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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BACKGROUND

Introduction	Neurofilament-H (NF-H), for neurofilament heavy polypeptide, a member of the intermediate filament family, is a major component of neuronal cytoskeletons. Neurofilaments are dynamic structures; they contain phosphorylation sites for a large number of protein kinases, including protein kinase A, protein kinase C, cyclin-dependent kinase 5, extracellular signal regulated kinase, glycogen synthase kinase-3, and stress-activated protein kinase gamma. In addition to their role in the control of axon caliber, neurofilaments may affect other cytoskeletal elements, such as microtubules and Actin filaments. Changes in neurofilament phosphorylation or metabolism are frequently observed in neurodegenerative diseases, including amyotrophic lateral sclerosis (ALS), Parkinson's disease and Alzheimer's disease.
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Keywords	200 kDa neurofilament protein;CMT2CC;Nefh;Neurofilament heavy polypeptide 200kDa;Neurofilament heavy polypeptide;Neurofilament triplet H protein;NF H;NF-H;NFH;NFH_HUMAN antibody
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