RecomAb™

NEFH recombinant monoclonal antibody, clone R07-3I6

Catalog #   RAB02067   Size   100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human NEFH.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human NEFH.
Theoretical MW (kDa)	Calculated MW: 112 k
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence(1:50-1:200) Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at -20 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

- Immunohistochemistry

- Immunofluorescence

Gene Info — NEFH

Entrez GeneID	4744
Protein Accession#	P12036
Gene Name	NEFH
Gene Alias	NFH
Gene Description	neurofilament, heavy polypeptide
Omim ID	105400 162230
Gene Ontology	Hyperlink
Gene Summary	Neurofilaments 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. This gene encodes the heavy neurofilament protein. This protein is commonly used as a biomarker of neuronal damage and susceptibility to amyotrophic lateral sclerosis (ALS) has been associated with mutations in this gene. [provided by RefSeq
Other Designations	neurofilament triplet H protein|neurofilament, heavy polypeptide 200kDa

Pathway

- Amyotrophic lateral sclerosis (ALS)

Disease

- Amyotrophic lateral sclerosis

- Dominance

- Genetic Predisposition to Disease

- Motor Neuron Disease

- Multiple Sclerosis

- Schizophrenia