CD Creative Diagnostics®

Anti-NEFH (aa 263-363) polyclonal antibody (DPAB-DC2014)

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

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	NEFH (NP_066554, 263 a.a. ~ 363 a.a) partial recombinant protein with GST tag. The sequence is LKCDVTSALREIRAQLEGHAVQSTLQSEEWFRVRLDRLSEAAKVNTDAMRSAQEEITEYR RQLQARTTELEALKSTKDSLERQRSELEDRHQADIASYQEA
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	NEFH neurofilament, heavy polypeptide [Homo sapiens (human)]
Official Symbol	NEFH
Synonyms	NEFH; neurofilament, heavy polypeptide; NFH; neurofilament heavy polypeptide; NF-H; 200 kDa neurofilament protein; neurofilament triplet H protein; neurofilament, heavy polypeptide 200kDa;
Entrez Gene ID	4744
Protein Refseq	NP_066554
UniProt ID	P12036
Chromosome Location	22q12.2
Pathway	Amyotrophic lateral sclerosis (ALS);
Function	dynein binding; kinesin binding; microtubule binding; protein binding, bridging