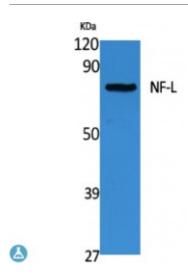


Anti-NF-L antibody



Description Rabbit polyclonal to NF-L.

Model STJ96461

Host Rabbit

Reactivity Human, Mouse, Rat

Applications ELISA, IHC, WB

Immunogen Synthesized peptide derived from human NF-L.

Immunogen Region C-terminal

Gene ID <u>4747</u>

Gene Symbol NEFL

Dilution range WB 1:500-1:2000IHC-P 1:100-300ELISA 1:40000

Specificity NF-L Polyclonal Antibody detects endogenous levels of NF-L protein.

Purification The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Note For Research Use Only (RUO).

Protein Name Neurofilament light polypeptide NF-L 68 kDa neurofilament protein

Neurofilament triplet L protein

Molecular Weight 62 kDa

Clonality Polyclonal

Conjugation Unconjugated

Isotype IgG

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Concentration 1 mg/ml

Storage Instruction Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links HGNC:7739OMIM:162280

Alternative Names Neurofilament light polypeptide NF-L 68 kDa neurofilament protein

Neurofilament triplet L protein

Function Neurofilaments usually contain three intermediate filament proteins: L, M,

and H which are involved in the maintenance of neuronal caliber.

Sequence and Domain Family The extra mass and high charge density that distinguish the neurofilament

proteins from all other intermediate filament proteins are due to the tailpiece extensions. This region may form a charged scaffolding structure suitable for

interaction with other neuronal components or ions.

Post-translational O-glycosylated. Phosphorylated in the head and rod regions by the PKC

Modifications kinase PKN1, leading to the inhibition of polymerization. Ubiquitinated in the

presence of TRIM2 and UBE2D1.

St John's Laboratory Ltd

F +44 (0)207 681 2580

T +44 (0)208 223 3081

W http://www.stjohnslabs.com/ E info@stjohnslabs.com