



NF-H Polyclonal Antibody

Catalog No	YP-Ab-12765
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	IHC;IF;ELISA
Gene Name	NEFH
Immunogen	The antiserum was produced against synthesized peptide derived from human NF-H. AA range:923-972
Specificity	NF-H Polyclonal Antibody detects endogenous levels of NF-H protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	NEFH;Neurofilament heavy polypeptide;NF200;NF-H;200 kDa neurofilament protein;KIAA0845;NFH;Neurofilament triplet H protein
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Cytoplasm, cytoskeleton . Cell projection, axon .
Tissue Specificity	Brain, Eye, Testis,
Function	disease:Defects in NEFH are a cause of susceptibility to amyotrophic lateral sclerosis (ALS) [MIM:105400]. ALS is a neurodegenerative disorder affecting upper and lower motor neurons, and resulting in fatal paralysis. Sensory abnormalities are absent. Death usually occurs within 2 to 5 years. The etiology is likely to be multifactorial, involving both genetic and environmental factors., function:Neurofilaments usually contain three intermediate filament proteins: L, M, and H which are involved in the maintenance of neuronal caliber. NF-H has an important function in mature axons that is not subserved by the two smaller NF proteins.,online information:ALS genetic mutations db,polymorphism:The number of repeats is shown to vary between 29 and 30.,PTM:Phosphorylation seems to play a major role in the functioning of the larger neurofilament



polypeptides (NF-M and NF-H), the levels of phosphor

Background

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, Oct 2008],

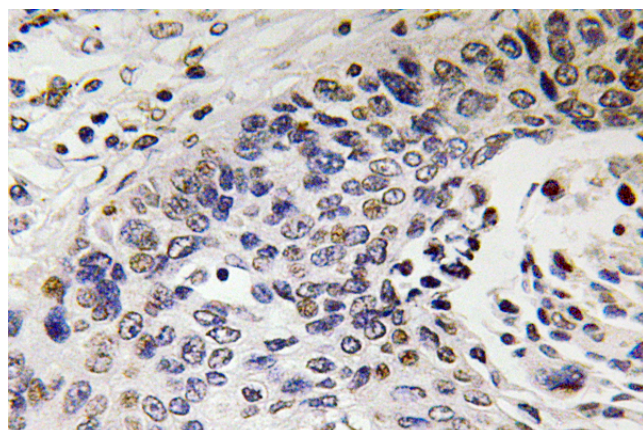
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemistry analysis of NF-H antibody in paraffin-embedded human lung carcinoma tissue.