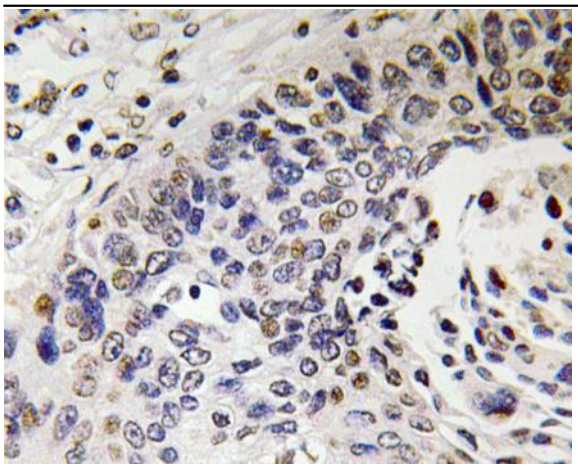
Best Tools for immunology Research

NF-H Polyclonal Antibody

Catalog No :	YT3086
Reactivity :	Human;Rat;Mouse;
Applications :	IHC;IF;ELISA
Target :	NF-H
Fields :	>>Amyotrophic lateral sclerosis;>>Pathways of neurodegeneration - multiple diseases
Gene Name :	NEFH
Protein Name :	Neurofilament heavy polypeptide
Human Gene Id :	4744
Human Swiss Prot No :	P12036
Mouse Swiss Prot No :	P19246
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
Dilution :	IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight :	112kD
Cell Pathway :	Amyotrophic lateral sclerosis (ALS);
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],
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
Subcellular Location :	Cytoplasm, cytoskeleton . Cell projection, axon .
Expression :	Brain,Eye,Testis,
Sort :	10765
No1 :	a8442
No2 :	a8442
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images



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