

NF-M (Phospho Ser614/Ser619) (PT1444R) PT™ Rabbit mAb

CatalogNo: YM9286 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 103kD (Calculated)
180kD (Observed)

Isotype

- IgG, Kappa

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

IHC 1:200-1:1000

WB 1:500-1:2000

IF 1:200-1:1000

ELISA 1:5000-1:20000

Basic Information

Clonality Monoclonal

Clone Number PT1444R

Immunogen Information

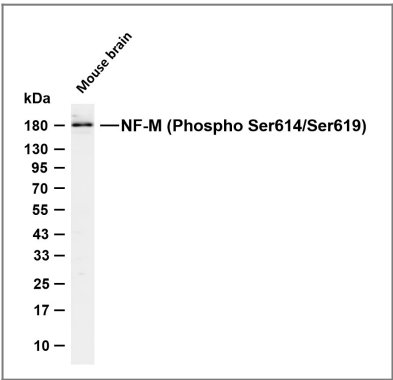
Immunogen The specific immunogen used to produce this antibody is proprietary information.

Specificity NF-M (Phospho Ser614/Ser619) Antibody detects endogenous levels of NF-M protein only when phosphorylated at S614/S619. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):KAKSP/VPkSP

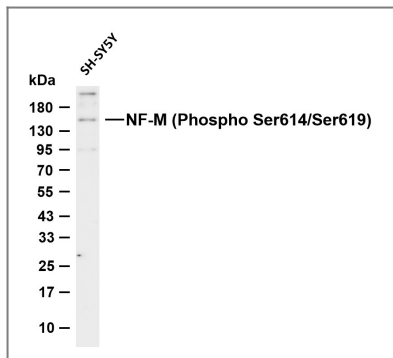
Target Information

Gene name	NEFM		
Protein Name	Neurofilament medium polypeptide		
	Organism	Gene ID	UniProt ID
	Human	4741 ;	P07197 ;
	Mouse		P08553 ;
Cellular Localization	Cytoplasm , cytoskeleton . Cell projection , axon .		
Tissue specificity	Brain ,Brain cortex ,Fetal brain cortex ,		
Function	Function:Neurofilaments usually contain three intermediate filament proteins: L , M , and H which are involved in the maintenance of neuronal caliber. ,PTM:Phosphorylation seems to play a major role in the functioning of the larger neurofilament polypeptides (NF-M and NF-H) , the levels of phosphorylation being altered developmentally and coincident with a change in the neurofilament function. ,PTM:There are a number of repeats of the tripeptide K-S-P , NFM is phosphorylated on a number of the serines in this motif. It is thought that phosphorylation of NFM results in the formation of interfilament cross bridges that are important in the maintenance of axonal caliber. ,similarity:Belongs to the intermediate filament family. ,		

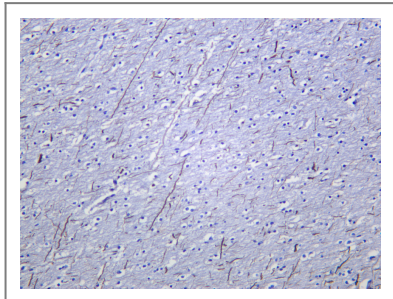
Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-NF-M (Phospho Ser614/Ser619) (PT1444R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Mouse brain Predicted band size: 103kDa Observed band size: 180kDa



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Human brain was stained with anti-NF-M (Phospho Ser614/Ser619) (PT1444R) Rabbit antibody

Contact information

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Please scan the QR code to access additional product information:
NF-M (Phospho Ser614/Ser619) (PT1444R) PT™ Rabbit mAb

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