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Neurofilament (AB1438) mouse mAb

V0413

Key Features

Host Species
- Mouse

Reactivity
- Human; Mouse; Rat;

Applications
- Immunohistochemistry (IHC)

MW
- 68 kDa (calculated)
- 68 kDa (observed)

Isotype
- IgG1, kappa

Recommended Dilution Ratios

Application	Dilution
Immunohistochemistry (IHC)	IHC, 1:200-1:400

Storage

Storage Conditions	Store at-20℃. Avoid freeze / thaw cycles.
Storage buffer	The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality	Monoclonal
Clone Number	AB1438
Immunogen	A synthetic peptide corresponding to the amino acid region 400 - 543 of the human Neurofilament protein.
Specificity	The antibody can specifically recognize human Neurofilament protein, especilaly NF-L protein.
Purification	Affinity purification Protein A
Concentration	Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name	NEFL NF68 NFL
Protein Name	Neurofilament

Database Link

Organism	Swiss Prot.	Gene ID
Human	P07196	4747

Background

Neurofilament (NF) is a neuron specific intermediate filament protein. It is a polymer composed of subunits of NF-H, NF-M and NF-L. It exists in neurons, neurites, peripheral nerve fibers, sympathetic ganglion cells and adrenal medulla. It is expressed in ganglioneuroma, paraganglioma, cerebellar or peripheral neuroblastoma, adrenal tumor or peripheral pheochromocytoma. It is helpful to the diagnosis and differential diagnosis of neuroblastoma and pheochromocytoma, and to identify the neurons of Hirschsprung's disease.