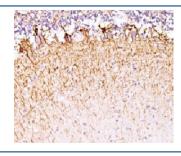


# Neurofilament Antibody (light chain) [clone MSI27-1] (V7122)

Catalog No.	Formulation	Size
V7122-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7122-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7122SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7122IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

# **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	MSI27-1
Purity	Protein G affinity chromatography
UniProt	P07196
Localization	Cytoplasmic, membranous
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT Prediluted IHC Only Format: incubate for 30 min at RT (1)
Limitations	This Neurofilament antibody is available for research use only.



IHC testing of FFPE human cerebellum with Neurofilament antibody (clone MSI27-1). Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.

## **Description**

Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and they functionally maintain the neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. [RefSeq]

## **Application Notes**

Optimal dilution of the Neurofilament antibody should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

#### **Immunogen**

Recombinant human neurofilament light chain protein was used as the immunogen for the Neurofilament antibody.

#### **Storage**

Store the Neurofilament antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).