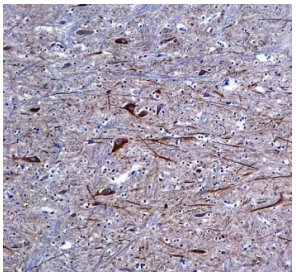
Neurofilament-66 Antibody / INA / Alpha Internexin [clone 257CT7.1.2] (F54522)

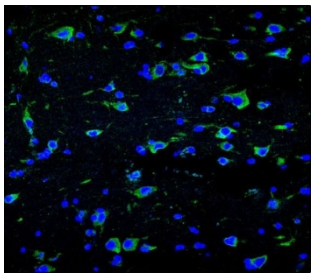
Catalog No.	Formulation	Size
F54522-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54522-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

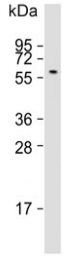
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	IgG1, kappa
Clone Name	257CT7.1.2
Purity	Protein G affinity
UniProt	Q16352
Applications	Immunohistochemistry (FFPE): 1:25 Immunofluorescence: 1:25 Western blot: 1:500-1:2000
Limitations	This Neurofilament-66 antibody is available for research use only.



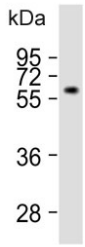
IHC testing of FFPE human brain tissue with Neurofilament-66 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of brain tissue with Neurofilament-66 antibody (green) and DAPI nuclear stain (blue).



Western blot testing of human SH-SY5Y cell lysate with Neurofilament-66 antibody. Expected molecular weight: 55-66 kDa.



Western blot testing of mouse brain lysate with Neurofilament-66 antibody. Expected molecular weight: 55-66 kDa.

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. This gene is a member of the intermediate filament family and is involved in the morphogenesis of neurons.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Neurofilament-66 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 290-319 from the human protein was used as the immunogen for the Neurofilament-66 antibody.

Storage

Aliquot the Neurofilament-66 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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