Neurofilament L Rabbit mAb

Catalog No.: A20269 Recombinant 1 Publications



Basic Information

Observed MW

70kDa

Calculated MW

62kDa

Category

Primary antibody

Applications

WB,IF-P,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC50056

Background

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 encodes the light chain neurofilament protein. Mutations in this gene cause Charcot-Marie-Tooth disease types 1F (CMT1F) and 2E (CMT2E), disorders of the peripheral nervous system that are characterized by distinct neuropathies. A pseudogene has been identified on chromosome Y.

Recommended Dilutions

WB 1:10000 - 1:400000

IF-P 1:200 - 1:800

IHC-P 1:500 - 1:5000

ELISA Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

Immunogen Information

Gene ID4747

Swiss Prot
P07196

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

NFL; NF-L; NF68; CMT1F; CMT2E; CMTDIG; PPP1R110; Neurofilament L

Contact

<u>a</u>	400-999-6126
\sim	cn.market@abclonal.com.cr
	www.abclonal.com.cr

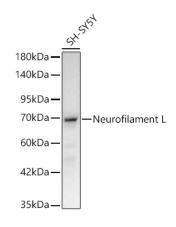
Product Information

SourceIsotypePurificationRabbitIgGAffinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3



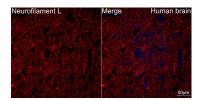
Western blot analysis of lysates from SH-SY5Y cells using Neurofilament L Rabbit mAb (A20269) at 1:100000 dilution.

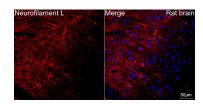
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μg per lane.

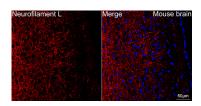
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

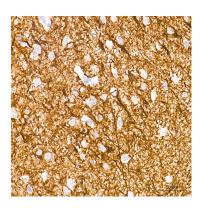
Exposure time:30s.





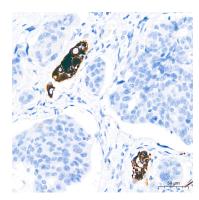


Confocal imaging of Human brain tissue using Neurofilament L Rabbit mAb (A20269, dilution 1:200) (Red). DAPI was used for nuclear staining (blue). Objective: 40x.Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.



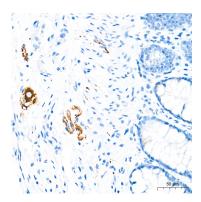
Immunohistochemistry analysis of paraffinembedded Human brain tissue using Neurofilament L Rabbit mAb (A20269) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Confocal imaging of paraffin-embedded Rat brain tissue using Neurofilament L Rabbit mAb (A20269, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform microwave antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.

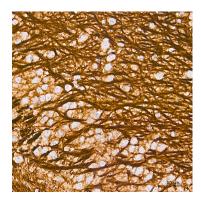


Immunohistochemistry analysis of paraffinembedded Human colon carcinoma tissue using Neurofilament L Rabbit mAb (A20269) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

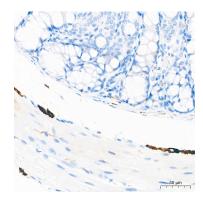
Confocal imaging of paraffin-embedded Mouse brain tissue using Neurofilament L Rabbit mAb (A20269, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform microwave antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



Immunohistochemistry analysis of paraffinembedded Human colon tissue using Neurofilament L Rabbit mAb (A20269) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse brain tissue using Neurofilament L Rabbit mAb (A20269) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



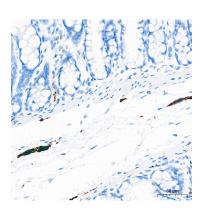
Immunohistochemistry analysis of paraffinembedded Mouse colon tissue using Neurofilament L Rabbit mAb (A20269) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse skin tissue using Neurofilament L Rabbit mAb (A20269) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Rat brain tissue using
Neurofilament L Rabbit mAb (A20269) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Rat colon tissue using
Neurofilament L Rabbit mAb (A20269) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.