

For Research Use Only

Nesprin 2 Polyclonal antibody

Catalog Number: 25265-1-AP

1 Publications



Basic Information

Catalog Number:

25265-1-AP

Size:

150ul, Concentration: 650 ug/ml by Nanodrop and 340 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_015180

GeneID (NCBI):

23224

UNIPROT ID:

Q8WXHO

Full Name:

spectrin repeat containing, nuclear envelope 2

Calculated MW:

799 kDa

Observed MW:

50-60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, IF, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : HEK-293 cells,

Background Information

Nesprin-2 is a member of actin-binding proteins that localize to the outer nuclear membrane. As a nuclear envelope component it provides a link between cytoskeletal components of the cytoplasm and the nucleoplasm. Nesprin genes generate, through alternative splicing and alternative promoter and/or terminator usage, a multitude of differentially expressed isoforms, differing in domain architecture and length. The largest protein isoform, known as NUANCE or GIANT, has a predicted MW around 796 kDa. Other isoforms range from 30 kDa to 119 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Bei-Bei Sun	38697461	Cancer Lett	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

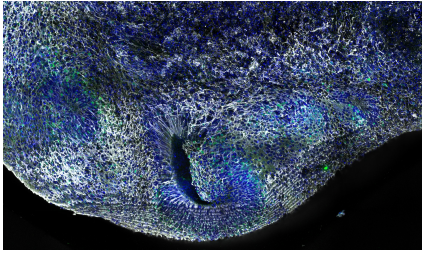
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

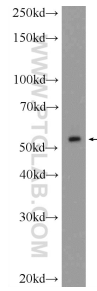
E: proteintech@ptglab.com
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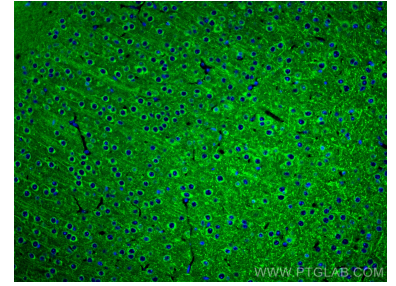
Selected Validation Data



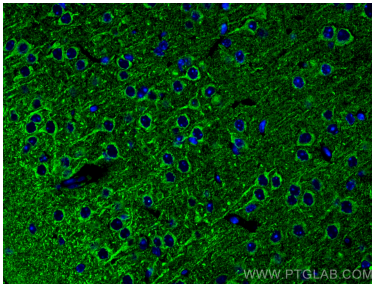
Human dorsal cerebral organoid at 12 weeks. 4% PFA fixed. Antibody dilution was 1:500 for Syne-2 (25265-1-AP; white), DAPI 1:1000. Image created by Wimmer Ryszard from the Institut Curie in Paris, France



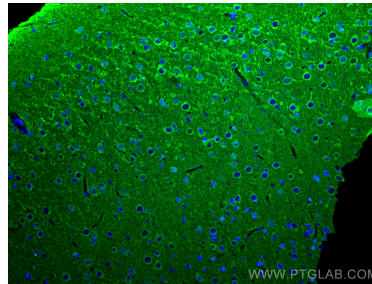
HEK-293 cells were subjected to SDS PAGE followed by western blot with 25265-1-AP (SYNE2 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using Nesprin 2 antibody (25265-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



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Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using Nesprin 2 antibody (25265-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).