

For Research Use Only

neuron navigator 1 Polyclonal antibody

Catalog Number: 20807-1-AP



Basic Information

Catalog Number:

20807-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 213 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14747

GenBank Accession Number:

BC007523

GeneID (NCBI):

89796

UNIPROT ID:

Q8NEY1

Full Name:

neuron navigator 1

Calculated MW:

1877 aa, 202 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:20-1:200

Applications

Tested Applications:

IHC, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : human heart tissue, human placenta tissue, human skeletal muscle tissue

Background Information

Neuron navigator 1 (NAV1) gene encodes a large protein belongs to the Nav/unc-53 family and 7 isoforms of NAV1 are produced by alternative splicing. NAV1 is localized in cytoplasm and expressed at high levels in heart, skeletal muscle and placenta, and especially in neuronal growth cones. Besides its nucleotide binding activity, NAV1 interacts with tubulin and associates with a subset of microtubule plus end, therefore playing a role in neuronal migration.

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

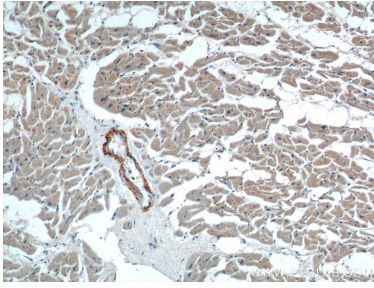
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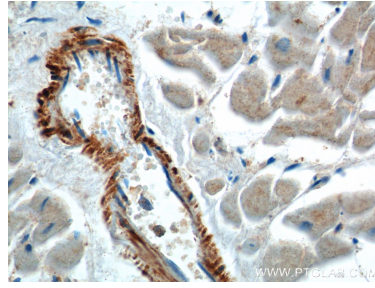
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 20807-1-AP (neuron navigator 1 antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 20807-1-AP (neuron navigator 1 antibody at dilution of 1:200 (under 40x lens).