

For Research Use Only

# neuron navigator 1 Polyclonal antibody



Catalog Number: 20807-1-AP

## Basic Information

<b>Catalog Number:</b> 20807-1-AP	<b>GenBank Accession Number:</b> BC007523	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 450 µg/ml	<b>GeneID (NCBI):</b> 89796	<b>Recommended Dilutions:</b> IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8NEY1	
<b>Isotype:</b> IgG	<b>Full Name:</b> neuron navigator 1	
<b>Immunogen Catalog Number:</b> AG14747	<b>Calculated MW:</b> 1877 aa, 202 kDa	

## 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

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

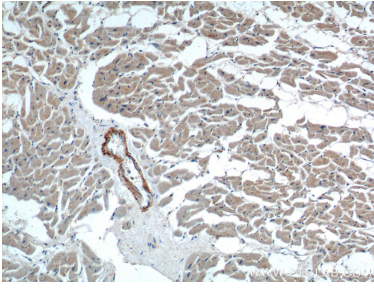
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

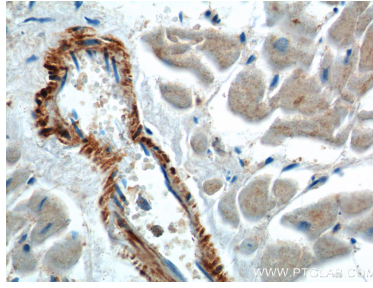
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## Selected Validation Data



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).