

For Research Use Only

NRAP Polyclonal antibody

Catalog Number: 25977-1-AP



Basic Information

Catalog Number:

25977-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 287 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG23254

GenBank Accession Number:

BC126407

GeneID (NCBI):

4892

UNIPROT ID:

Q86VF7

Full Name:

nebulin-related anchoring protein

Observed MW:

190-200 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

Applications

Tested Applications:

WB, 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:

WB : mouse heart tissue, mouse skeletal muscle tissue, rat heart tissue

IHC : mouse skeletal muscle tissue,

Background Information

NRAP (Nebulin-related-anchoring protein) is a striated muscle-specific protein that is concentrated at intercalated disks in cardiac muscle and at myotendinous junctions in skeletal muscle. NRAP is a 197 kDa multidomain scaffolding protein from nebulin family with many interaction partners such as α -actinin, actin, vinculin and filamin (PMID:21276443). During cardiomyocyte development in the foetal heart, NRAP is involved in myofibrillar assembly and links terminal actin filaments to membrane complexes in the adult heart. Several studies observed that NRAP mutation would contributed to the dilated cardiomyopathy which is a highly heterogeneous disease with almost 100 candidates genes to date (PMID:28611399).

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

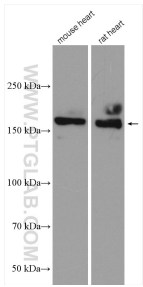
For technical support and original validation data for this product please contact:

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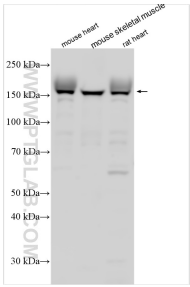
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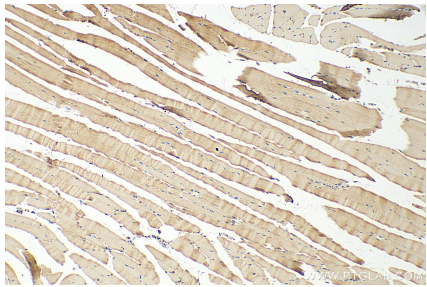
Selected Validation Data



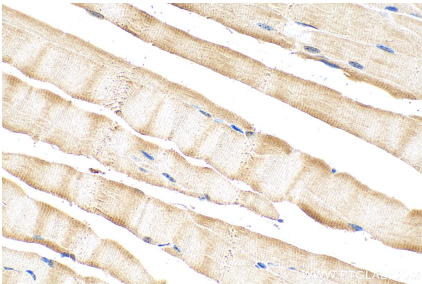
Various lysates were subjected to SDS PAGE followed by western blot with 25977-1-AP (NRAP antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 25977-1-AP (NRAP antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 25977-1-AP (NRAP antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 25977-1-AP (NRAP antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).