

For Research Use Only

NRAP Polyclonal antibody

Catalog Number: 25977-1-AP



Basic Information

Catalog Number: 25977-1-AP	GenBank Accession Number: BC126407	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 287 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4892	Recommended Dilutions: WB 1:500-1:3000 IHC 1:50-1:500
Source: Rabbit	Full Name: nebulin-related anchoring protein	
Isotype: IgG	Observed MW: 190-200 kDa	
Immunogen Catalog Number: AG23254		

Applications

Tested Applications:

IHC, WB, 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 contribute to the dilated cardiomyopathy which is a highly heterogeneous disease with almost 100 candidate 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

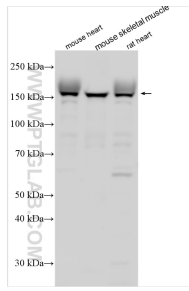
For technical support and original validation data for this product please contact:

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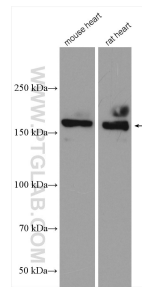
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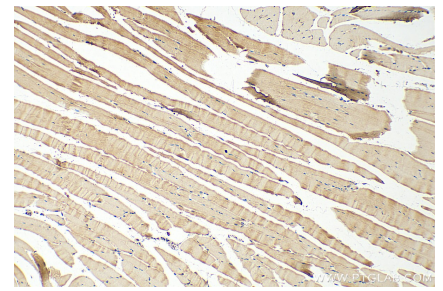
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25977-1-AP (NRAP antibody) at dilution of 1:5000 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 1:1500 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).