

For Research Use Only

Nexilin Polyclonal antibody

Catalog Number: 27737-1-AP



Basic Information

Catalog Number: 27737-1-AP	GenBank Accession Number: BC114444	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 ug/ml by Nanodrop;	GeneID (NCBI): 91624	Recommended Dilutions: WB 1:20000-1:100000
Source: Rabbit	UNIPROT ID: Q0ZGT2	IHC 1:50-1:500
Isotype: IgG	Full Name: nexilin (F actin binding protein)	IF-P 1:50-1:500
Immunogen Catalog Number: AG26938	Calculated MW: 675 aa, 81 kDa	
	Observed MW: 80-85 kDa	

Applications

Tested Applications:

WB, IHC, IF-P, 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 heart tissue,

IF-P : mouse heart tissue,

Background Information

Nexilin, Also known as NEXN, NELIN, is a filamentous actin-binding protein that localizes to focal contacts and may be involved in cell adhesion and migration(PMID: 15823560). Nexilin is abundantly expressed in heart and skeletal muscle and has an essential role in the maintenance of Z line and sarcomere integrity(PMID: 12053183, 19881492). Mutations in Nexilin have been associated with cardiomyopathy dilated type 1CC (CMD1CC) and cardiomyopathy familial hypertrophic type 20 (CMH20)(PMID: 19881492, 20970104).

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

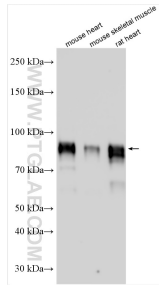
For technical support and original validation data for this product please contact:

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

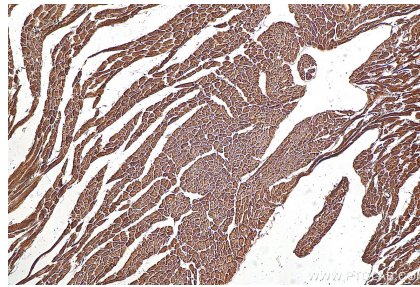
E: proteintech@ptglab.com
W: ptglab.com

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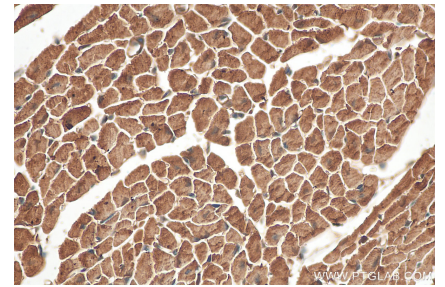
Selected Validation Data



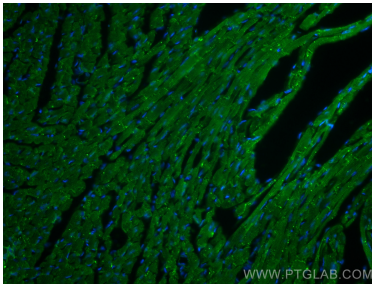
Various lysates were subjected to SDS PAGE followed by western blot with 27737-1-AP (Nexilin antibody) at dilution of 1:80000 incubated at room temperature for 1.5 hours.



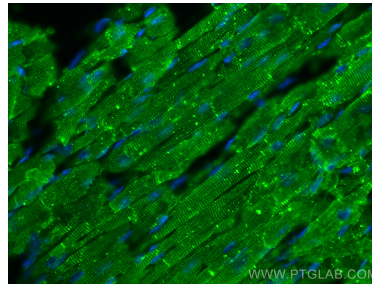
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 27737-1-AP (Nexilin antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 27737-1-AP (Nexilin antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using Nexilin antibody (27737-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using Nexilin antibody (27737-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).