

For Research Use Only

SDC4 Polyclonal antibody

Catalog Number: 11820-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number:

11820-1-AP

Concentration:

600 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2388

GenBank Accession Number:

BC030805

GeneID (NCBI):

6385

UNIPROT ID:

P31431

Full Name:

syndecan 4

Calculated MW:

22 kDa

Observed MW:

22-26 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

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 : NIH/3T3 cells,

IHC : mouse skeletal muscle tissue, human liver cancer tissue

Background Information

SDC4, also named as syndecan 4, is a cell surface proteoglycan that bears heparan sulfate, which is involved in normal wound healing. It has been reported that SDC4 may be associated with keratinocyte proliferation and differentiation in the epidermis. SDC4 also plays a key role in the angiogenesis and inflammation. The predicted MW of SDC4 is 22 kDa and 11820-1-AP antibody recognizes a protein around 24-26 kDa and 48-52 kDa (homodimer) which is similar to the papers.(PMID: 20639201, 21949132; 18638267; 30165731)

Notable Publications

Author	Pubmed ID	Journal	Application
Lianhong Yin	29033837	Front Pharmacol	WB,IF
Ting-Ting Liu	36375317	eBioMedicine	WB
Heng Yang	33990545	Cell Death Dis	WB,IHC,IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

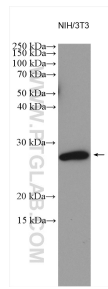
T: 4006900926

E: Proteintech-CN@ptglab.com

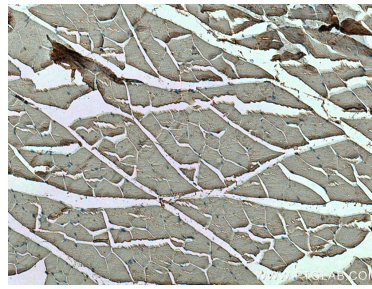
W: ptgcn.com

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Selected Validation Data



NIH/3T3 lysates were subjected to SDS PAGE followed by western blot with 11820-1-AP (SDC4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 11820-1-AP (SDC4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).