For Research Use Only

Tenascin-X Polyclonal antibody

Catalog Number:13595-1-AP 5 Publications

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Basic Information

Catalog Number:
13595-1-AP

Size:
150ul , Concentration: 600 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG4501

GenBank Accession Number:
BC033740

GeneID (NCBI):
7148

UNIPROT ID:
P22105

Full Name:
tenascin XB

Calculated MW:
4289 aa, 464 kDa

Observed MW:
75 kDa, 140 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:20-1:200

Applications

Tested Applications:
WB, IP, IHC, ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse

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 liver tissue, HT-1080 cells, rat liver tissue

IP : mouse liver tissue,

IHC : human kidney tissue, human heart tissue, human lung tissue, human breast cancer tissue, human liver tissue

Background Information

Tenascin-X (TNXB) is an extracellular matrix glycoprotein predominantly located in the outer reticular lamina of the basement membrane (BM) (PMID: 23768946). It interacts with many other ECM proteins and it accelerates collagen fibrillogenesis in vitro. TNXB plays a role in interactions between cell and ECM, antiadhesive effect, inhibiting cell migration, and in maintaining homeostasis of the extracellular matrix. Deficiency of TNXB has been associated with the connective tissue disorder Ehlers-Danlos syndrome. This antibody is raised against human TNXB and detects a band of about 75 kDa, which probably represents a proteolytic cleaved form of human TNXB (PMID: 17263730). But the serum form of tenascin-X is a 140-kD protein probably resulting from proteolytic cleavage or alternative splicing of tenascin-X(PMID: 16567571, 11642233).

Notable Publications

Author	Pubmed ID	Journal	Application
Emna Ouni	35341935	Matrix Biol	IF
Rasheed A Gbadegesin	23620400	J Am Soc Nephrol	WB,IHC,IF
Xue Lu	36520032	Mol Oncol	WB,IHC

Storage

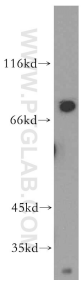
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

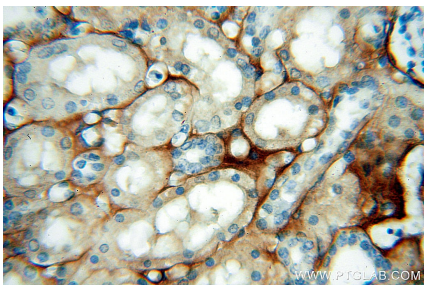
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

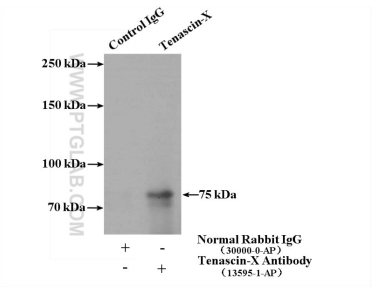
Selected Validation Data



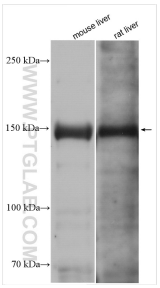
mouse liver tissue were subjected to SDS PAGE followed by western blot with 13595-1-AP (Tenascin-X antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney using 13595-1-AP (Tenascin-X antibody) at dilution of 1:50 (under 40x lens).



IP result of anti-Tenascin-X (IP:13595-1-AP, 4ug; Detection:13595-1-AP 1:300) with mouse liver tissue lysate 4000ug.



Various lysates were subjected to SDS PAGE followed by western blot with 13595-1-AP (Tenascin-X antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.