

For Research Use Only

# Tenascin-X Polyclonal antibody

Catalog Number: 13595-1-AP **5 Publications**



## Basic Information

<b>Catalog Number:</b> 13595-1-AP	<b>GenBank Accession Number:</b> BC033740	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 600 µg/ml	<b>GeneID (NCBI):</b> 7148	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P22105	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
<b>Isotype:</b> IgG	<b>Full Name:</b> tenascin XB	IHC 1:20-1:200
<b>Immunogen Catalog Number:</b> AG4501	<b>Calculated MW:</b> 4289 aa, 464 kDa	
	<b>Observed MW:</b> 75 kDa, 140 kDa	

## Applications

<b>Tested Applications:</b> WB, IP, IHC, ELISA	<b>Positive Controls:</b> WB : mouse liver tissue, HT-1080 cells, rat liver tissue
<b>Cited Applications:</b> WB, IHC, IF	IP : mouse liver tissue,
<b>Species Specificity:</b> human, mouse, rat	IHC : human kidney tissue, human heart tissue, human lung tissue, human breast cancer tissue, human liver tissue
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

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

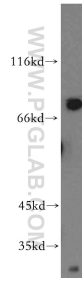
T: 4006900926

E: Proteintech-CN@ptglab.com

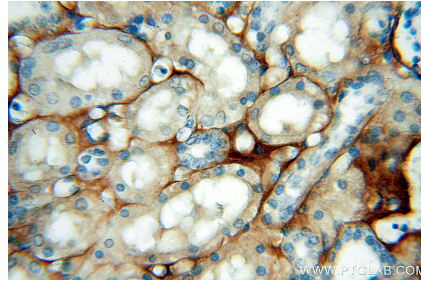
W: ptgcn.com

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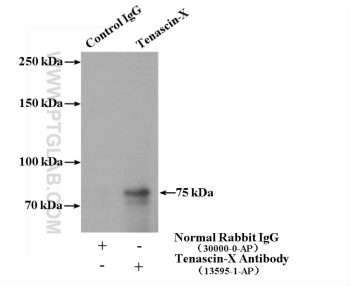
## Selected Validation Data



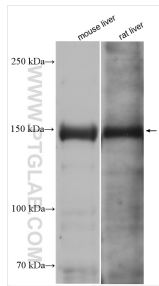
mouse liver tissue were subjected to SDS PAGE followed by western blot with 13595-1-AP (Tenascin-X antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



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.