

For Research Use Only

# TNN Polyclonal antibody, PBS Only

Catalog Number: 24839-1-PBS



## Basic Information

<b>Catalog Number:</b> 24839-1-PBS	<b>GenBank Accession Number:</b> BC136619	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 63923	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UQP3	
<b>Isotype:</b> IgG	<b>Full Name:</b> tenascin N	
<b>Immunogen Catalog Number:</b> AG18127	<b>Calculated MW:</b> 1299 aa, 144 kDa	
	<b>Observed MW:</b> 144 kDa, 173 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

TNN (Tenascin-W), also known as TNW. It is expected to be located in the extracellular space. The protein is not detected in normal adult mammary tissues or brain but expressed in most breast tumors and brain tumors, such as glioblastomas, astrocytomas and oligodendrogliomas, tested (PMID:17909022). And in brain tumors, detected around the endothelial cell layer of the blood vessels (PMID: 19884327). TNN is the fourth and final member of the extracellular matrix protein family of tenascins. In vitro, the presence of tenascin-W increased the proportion of elongated human umbilical vein endothelial cells (HUVECs) and augmented the mean speed of cell migration. Furthermore, tenascin-W triggered sprouting of HUVEC spheroids to a similar extent as the proangiogenic factor tenascin-C. Tenascin-W is a specific marker of glioma-associated blood vessels and stimulates angiogenesis in vitro (PMID: 19884327). The predicted molecular weight of the protein is 144 kDa in human and 173 kDa in mouse.

## Storage

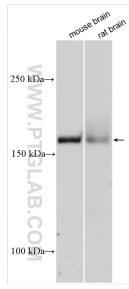
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

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 24839-1-AP (TNN antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 24839-1-PBS in a different storage buffer formulation.