

For Research Use Only

TNN Polyclonal antibody

Catalog Number: 24839-1-AP



Basic Information

Catalog Number: 24839-1-AP	GenBank Accession Number: BC136619	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 ug/ml by Nanodrop;	GeneID (NCBI): 63923	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q9UQP3	
Isotype: IgG	Full Name: tenascin N	
Immunogen Catalog Number: AG18127	Calculated MW: 1299 aa, 144 kDa	
	Observed MW: 144 kDa, 173 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue
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

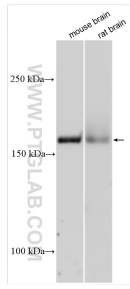
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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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.