

For Research Use Only

TNN Polyclonal antibody, PBS Only

Catalog Number: 24839-1-PBS



Basic Information

Catalog Number: 24839-1-PBS	GenBank Accession Number: BC136619	Purification Method: Antigen affinity purification
Size: 1 mg/ml	GeneID (NCBI): 63923	
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, 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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

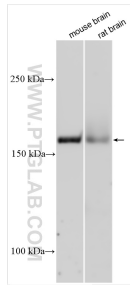
T: 4006900926

E: Proteintech-CN@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.