10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TNN Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13618C

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9UQP3
Other Accession	NP_071376.1
Reactivity	Human, Mouse
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33122
Calculated MW	144034
Antigen Region	587-615

Additional Information

Gene ID	63923
Other Names	Tenascin-N, TN-N, TNN
Target/Specificity	This TNN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 587-615 amino acids from the Central region of human TNN.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TNN Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TNN (HGNC:22942)
Function	Extracellular matrix protein that seems to be a ligand for ITGA8:ITGB1, ITGAV:ITGB1 and ITGA4:ITGB1 (By similarity) (PubMed:17909022). Involved in neurite outgrowth and cell migration in hippocampal explants (By similarity).

	During endochondral bone formation, inhibits proliferation and differentiation of proteoblasts mediated by canonical WNT signaling (By similarity). In tumors, stimulates angiogenesis by elongation, migration and sprouting of endothelial cells (PubMed:19884327). Expressed in most mammary tumors, may facilitate tumorigenesis by supporting the migratory behavior of breast cancer cells (PubMed:17909022).
Cellular Location	Secreted, extracellular space, extracellular matrix
Tissue Location	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 (PubMed:17909022, PubMed:19884327). In brain tumors, detected around the endothelial cell layer of the clood vessels (PubMed:19884327)

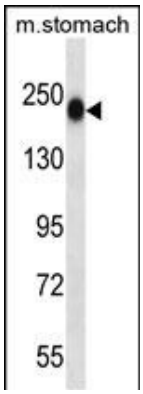
Background

TNN is involved in neurite outgrowth and cell migration in hippocampal explants (By similarity).

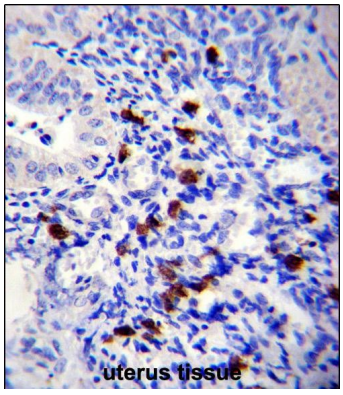
References

Gylfe, A.E., et al. Int. J. Cancer (2010) In press :
Degen, M., et al. Int. J. Cancer 122(11):2454-2461(2008)
Degen, M., et al. Cancer Res. 67(19):9169-9179(2007)
Liu, T., et al. J. Proteome Res. 4(6):2070-2080(2005)
Scherberich, A., et al. Oncogene 24(9):1525-1532(2005)

Images



TNN Antibody (Center) (Cat. #AP13618c) western blot analysis in mouse stomach tissue lysates (35ug/lane).This demonstrates the TNN antibody detected the TNN protein (arrow).



TNN Antibody (Center) (Cat. #AP13618c)immunohistochemistry analysis in formalin fixed and paraffin embedded human uterus tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of TNN Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.