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

TNN antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14933

Product Information

Application	WB
Primary Accession	Q9UQP3
Other Accession	NM_022093, NP_071376
Reactivity	Human, Mouse, Rat, Dog, Horse, Bovine
Predicted	Human, Mouse, Rat, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	144034

Additional Information

Gene ID	63923
Alias Symbol	TN-W
Other Names	Tenascin-N, TN-N, TNN
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-TNN antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	TNN antibody - N-terminal region 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)

References

Gregory S.G.,et al.Nature 441:315-321(2006).
Rhodes S.,et al.Submitted (APR-1999) to the EMBL/GenBank/DDBJ databases.
Liu T.,et al.J. Proteome Res. 4:2070-2080(2005).

Images



WB Suggested Anti-TNN Antibody Titration: 1.0 µg/ml
Positive Control: RPMI-8226 Whole CellTNN is supported by BioGPS gene expression data to be expressed in RPMI 8226

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