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TNN antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14933

Specification

TNN antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q9UQP3
Other Accession	NM_022093, NP_071376
Reactivity	**Human, Mouse, Rat, Horse, Bovine, Dog**
Predicted	**Human, Mouse, Rat, Horse, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**143kDa KDa**

TNN antibody - N-terminal region - 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.

TNN antibody - N-terminal region - 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:<a href="http://www.uniprot.org/citations/17909022"

target="_blank">17909022).

Cellular Location
Secreted, extracellular space, extracellular matrix

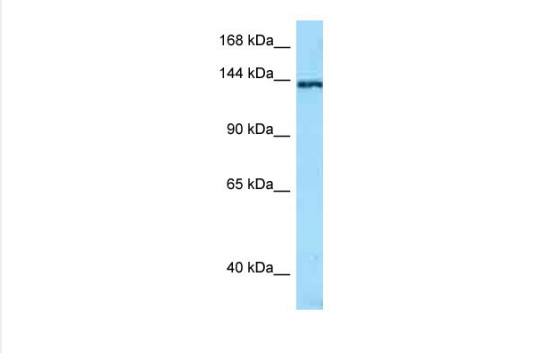
Tissue Location
Not detected in normal adult mammary tissues or brain but expressed in most breast tumors and brain tumors, such as glioblastomas, astrocytomas and oligodendrogliomas, tested (PubMed:17909022, PubMed:19884327). In brain tumors, detected around the endothelial cell layer of the clood vessels (PubMed:19884327)

TNN antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TNN antibody - N-terminal region - 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

TNN antibody - N-terminal region - 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).