

**TNN Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13618c****Specification**

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**TNN Antibody (Center) Blocking peptide - Product Information**Primary Accession [Q9UQP3](#)**TNN Antibody (Center) Blocking peptide - Additional Information****Gene ID** 63923**Other Names**

Tenascin-N, TN-N, TNN

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13618c was selected from the Center region of TNN. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**TNN Antibody (Center) Blocking peptide - 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)

**TNN Antibody (Center) Blocking peptide - Background**

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

**TNN Antibody (Center) Blocking peptide - 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)

(PubMed:<a href="http://www.uniprot.org/citations/17909022" target="\_blank">17909022</a>). 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:<a href="http://www.uniprot.org/citations/19884327" target="\_blank">19884327</a>). 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</a>).

**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 blood vessels (PubMed:19884327)

**TNN Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)