

SOST Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17391a

Specification

SOST Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [Q9BQB4](#)

SOST Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 50964

Other Names
Sclerostin, SOST

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.

SOST Antibody (N-term) Blocking Peptide - Protein Information

Name SOST ([HGNC:13771](#))

Function

Negative regulator of bone growth that acts through inhibition of Wnt signaling and bone formation.

Cellular Location

Secreted, extracellular space, extracellular matrix

Tissue Location

Widely expressed at low levels with highest levels in bone, cartilage, kidney, liver, bone marrow and primary osteoblasts differentiated for 21 days. Detected in the subendothelial layer of the aortic intima (at protein level).

SOST Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SOST Antibody (N-term) Blocking Peptide - Images**SOST Antibody (N-term) Blocking Peptide - Background**

Sclerostin is a secreted glycoprotein with a C-terminal cysteine knot-like (CTCK) domain and sequence similarity to the DAN (differential screening-selected gene aberrative in neuroblastoma) family of bone morphogenetic protein (BMP) antagonists. Loss-of-function mutations in this gene are associated with an autosomal-recessive disorder, sclerosteosis, which causes progressive bone overgrowth. A deletion downstream of this gene, which causes reduced sclerostin expression, is associated with a milder form of the disorder called van Buchem disease. [provided by RefSeq].

SOST Antibody (N-term) Blocking Peptide - References

van Lierop, A.H., et al. Eur. J. Endocrinol. 163(5):833-837(2010) Liu, J.M., et al. J. Clin. Endocrinol. Metab. 95 (9), E112-E120 (2010) : Paternoster, L., et al. J. Clin. Endocrinol. Metab. 95(8):3940-3948(2010) PETERS, E., et al. Hum. Mutat. 31 (7), E1526-E1543 (2010) : Collette, N.M., et al. Dev. Biol. 342(2):169-179(2010)