

SOSTDC1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17397b**Specification**

SOSTDC1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q6X4U4](#)**SOSTDC1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 25928**Other Names**

Sclerostin domain-containing protein 1, Ectodermal BMP inhibitor, Ectodin, Uterine sensitization-associated gene 1 protein, USAG-1, SOSTDC1, USAG1

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.

SOSTDC1 Antibody (C-term) Blocking Peptide - Protein Information**Name** SOSTDC1**Synonyms** USAG1**Function**

May be involved in the onset of endometrial receptivity for implantation/sensitization for the decidual cell reaction Enhances Wnt signaling and inhibits TGF-beta signaling (By similarity). Directly antagonizes activity of BMP2, BMP4, BMP6 and BMP7 in a dose-dependent manner.

Cellular Location

Secreted.

Tissue Location

Highly expressed in kidney and weakly in lung.

SOSTDC1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SOSTDC1 Antibody (C-term) Blocking Peptide - Images

SOSTDC1 Antibody (C-term) Blocking Peptide - Background

This gene is a member of the sclerostin family and encodes an N-glycosylated, secreted protein with a C-terminal cystine knot-like domain. This protein functions as a bone morphogenetic protein (BMP) antagonist. Specifically, it directly associates with BMPs, prohibiting them from binding their receptors, thereby regulating BMP signaling during cellular proliferation, differentiation, and programmed cell death.

SOSTDC1 Antibody (C-term) Blocking Peptide - References

Barber, M.J., et al. PLoS ONE 5 (3), E9763 (2010) ; Ohshima, J., et al. Genes Chromosomes Cancer 48(12):1037-1050(2009) Blish, K.R., et al. Mol. Biol. Cell 19(2):457-464(2008) Lamesch, P., et al. Genomics 89(3):307-315(2007) Yanagita, M. Cytokine Growth Factor Rev. 16(3):309-317(2005)