

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

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**SOSTDC1 Antibody (C-term) Blocking Peptide - Product Information**

Primary 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)