

SOSTDC1 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17397b

Specification

SOSTDC1 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q6X4U4
Other Accession	NP_056279.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	23307
Antigen Region	169-196

SOSTDC1 Antibody (C-term) - 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

Target/Specificity

This SOSTDC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 169-196 amino acids from the C-terminal region of human SOSTDC1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SOSTDC1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SOSTDC1 Antibody (C-term) - 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

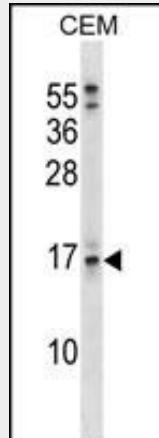
Highly expressed in kidney and weakly in lung.

SOSTDC1 Antibody (C-term) - Protocols

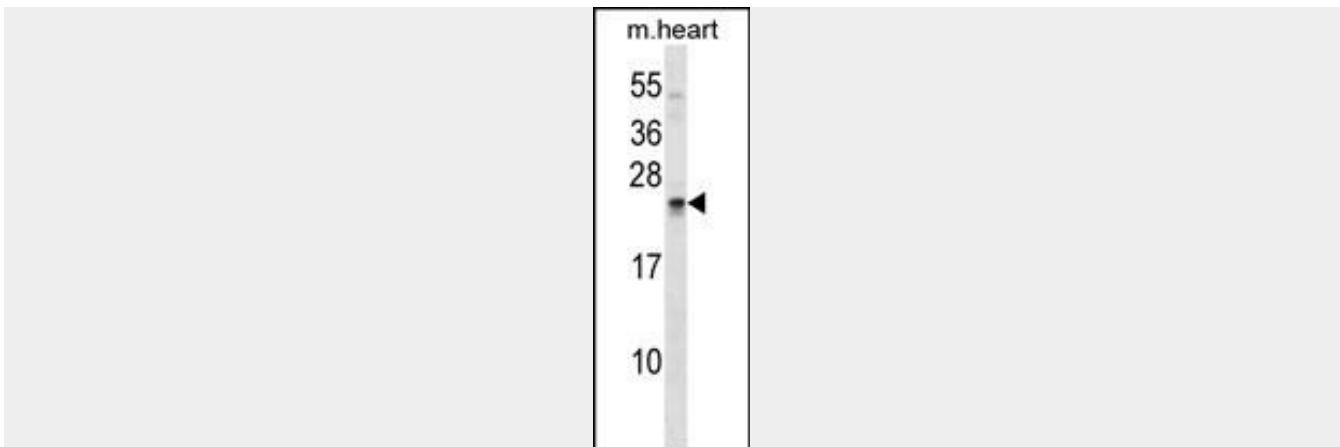
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SOSTDC1 Antibody (C-term) - Images



SOSTDC1 Antibody (C-term) (Cat. #AP17397b) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the SOSTDC1 antibody detected the SOSTDC1 protein (arrow).



SOSTDC1 Antibody (C-term) (Cat. #AP17397b) western blot analysis in mouse heart tissue lysates (35ug/lane). This demonstrates the SOSTDC1 antibody detected the SOSTDC1 protein (arrow).

SOSTDC1 Antibody (C-term) - 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) - 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)