SOSTDC1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SOSTDC1, Polyclonal Antibody
Full Product Name	SOSTDC1, CT (SOSTDC1, USAG1, Sclerostin domain-containing protein 1, Ectodermal BMP inhibitor, Uterine sensitization-associated gene 1 protein) (MaxLight 750)
Product Gene Name	anti-SOSTDC1 antibody
Product Synonym Names	SOSTDC1; USAG1; Sclerostin domain-containing protein 1; Ectodermal BMP inhibitor; Uterine sensitization-associated gene 1 protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	26,260 Da
OMIM	609675
3D Structure	ModBase 3D Structure for Q6X4U4
Immunogen	SOSTDC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 168-196 amino acids from the C-terminal region of human SOSTDC1.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-SOSTDC1 antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-SOSTDC1 antibody	Western Blot (WB), FLISA
Application Notes for anti-SOSTDC1 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-SOSTDC1 antibody	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.
Product References and Citations for anti-SOSTDC1 antibody	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).

Other Notes	Small volumes of anti-SOSTDC1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SOSTDC1 purchase	MBS6349890 is an antibody targeting SOSTDC1. Also known as SOSTDC1, CT (SOSTDC1, USAG1, Sclerostin domain-containing protein 1, Ectodermal BMP inhibitor, Uterine sensitization-associated gene 1 protein) (MaxLight 750). Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SOSTDC1. It may not necessarily be applicable to this product.

NCBI GI #	23943785
NCBI GeneID	25928
NCBI Accession #	NP_056279.1
UniProt Primary Accession #	Q6X4U4
UniProt Secondary Accession #	Q96HJ7; Q9Y3U3; A8MUA6
UniProt Related Accession #	Q6X4U4
GenBank Nucleotide #	NM_015464.2
NCBI Official Full Name	sclerostin domain-containing protein 1
NCBI Official Synonym Full Names	sclerostin domain containing 1
NCBI Official Symbol	SOSTDC1
NCBI Official Synonym Symbols	USAG1; CDA019; ECTODIN
UniProt Protein Name	Sclerostin domain-containing protein 1
UniProt Synonym Protein Names	Ectodermal BMP inhibitor; Ectodin; Uterine sensitization-associated gene 1 protein; USAG-1
Protein Family	Sclerostin domain-containing protein
UniProt Gene Name	SOSTDC1
UniProt Synonym Gene Names	USAG1; Ectodin; USAG-1
UniProt Entry Name	SOSD1_HUMAN
NCBI Protein Information	sclerostin domain-containing protein 1; cystine-knot containing secreted protein; ectodermal BMP inhibitor; uterine sensitization-associated protein-1
UniProt Comments for SOSTDC1	SOSTDC1: 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. Directly antagonizes activity of BMP2, BMP4, BMP6 and BMP7 in a dose-dependent manner. Belongs to the sclerostin family. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 7p21.1 Cellular Component: extracellular space Biological Process: hair follicle morphogenesis; Wnt receptor signaling pathway; pattern specification process; odontogenesis of dentine-containing teeth; negative regulation of BMP signaling pathway; negative regulation of cell fate commitment
Research Articles on SOSTDC1	**1.** Unliganded VDR upregulates the expression of hairless, the gene product of which acts as a downstream comodulator to feedback-repress DKKL1 and SOSTDC1.

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-antibody/sostdc1/6349890