

Product datasheet

Anti-SOSTDC1 antibody ab56079

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Overview

Product name	Anti-SOSTDC1 antibody
Description	Rabbit polyclonal to SOSTDC1
Host species	Rabbit
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide corresponding to Human SOSTDC1 (internal sequence).
Positive control	In Western Blot, this antibody gave a positive signal in human breast tissue lysate and in human, mouse and rat kidney tissue lysates.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.01% Sodium Azide Constituents: 50% Glycerol, PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab56079** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 30 kDa (predicted molecular weight: 23 kDa).
ELISA		Use at an assay dependent dilution.

Target

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.

Tissue specificity

Highly expressed in kidney and weakly in lung.

Sequence similarities

Belongs to the sclerostin family.
Contains 1 CTCK (C-terminal cystine knot-like) domain.

Cellular localization

Secreted.

Images



Western blot - Anti-SOSTDC1 antibody (ab56079)

All lanes : Anti-SOSTDC1 antibody (ab56079) at 1 µg/ml

Lane 1 : Human kidney tissue lysate - total protein (ab30203)

Lane 2 : Human breast tissue lysate - total protein (ab30090)

Lane 3 : Kidney (Mouse) Tissue Lysate

Lane 4 : Kidney (Rat) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (HRP), pre-adsorbed at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 23 kDa

Observed band size: 30 kDa

Exposure time: 4 minutes

The primary sequence of SOSTDC1 contains two potential glycosylation sites (Swissprot). This might explain the migration of this protein at a higher molecular weight than predicted.

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