

## Datasheet for ABIN715586 **anti-Sclerostin antibody**



[Go to Product page](#)

### Overview

Quantity:	100 µL
Target:	Sclerostin (SOST)
Reactivity:	Human, Mouse, Rat, Dog, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Sclerostin antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Sclerostin
Isotype:	IgG
Cross-Reactivity:	Dog, Human, Mouse, Pig, Rat
Purification:	Purified by Protein A.

### Target Details

Target:	Sclerostin (SOST)
Alternative Name:	Sclerostin ( <a href="#">SOST Products</a> )
Background:	Synonyms: BEER, Cortical hyperostosis with syndactyly, Sclerosteosis, Sclerostin, SOST, SOST_HUMAN, VBCH. Background: Negative regulator of bone growth.Sclerostin (SOST) is a bone morphogenetic

## Target Details

---

protein (BMP) antagonist, leading to the activation of BMP signaling. It negatively regulates the formation of bone by repressing the differentiation and/or function of osteoblasts induced by BMPs. It has been shown that Sclerostin binds BMP-5, -6, and -7 with high affinity and BMP-2 and -4 with low affinity. The noggin-sclerostin protein complex represents a novel mechanism for the fine-tuning of BMP activity in bone homeostasis. Evidence is accumulating that one of the important mechanisms of bone regulation by sclerostin is the modulation of Wnt/Beta-catenin signaling. Sclerostin also rapidly activated ERK-1/2 MAPK signaling, indicating the involvement of additional signaling pathways.

---

Molecular Weight: 24-28kDa

Gene ID: 50964

## Application Details

---

Application Notes: WB(1:100-500)  
Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

---

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 1 % BSA, 50 % glycerol and 0.09 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months