

Datasheet for ABIN390193

**anti-Sclerostin antibody (N-Term)****5** Images**2** Publications[Go to Product page](#)

## Overview

Quantity:	200 µL
Target:	Sclerostin (SOST)
Binding Specificity:	AA 12-42, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Sclerostin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This SOST antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 12-42 amino acids from the N-terminal region of human SOST.
Clone:	RB12388
Isotype:	IgG
Predicted Reactivity:	B
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	Sclerostin (SOST)
Alternative Name:	SOST ( <a href="#">SOST Products</a> )

## Target Details

**Background:** Sclerostin is a secreted glycoprotein with a C-terminal cysteine knot-like (CTCK) domain and sequence similarity to the DAN (differential screening-selected gene aberrative in neuroblastoma) family of bone morphogenetic protein (BMP) antagonists. Loss-of-function mutations in this gene are associated with an autosomal-recessive disorder, sclerosteosis, which causes progressive bone overgrowth. A deletion downstream of this gene, which causes reduced sclerostin expression, is associated with a milder form of the disorder called van Buchem disease.

**Molecular Weight:** 24031

**Gene ID:** 50964

**NCBI Accession:** [NP\\_079513](#)

**UniProt:** [Q9BQB4](#)

## Application Details

**Application Notes:** WB: 1:1000. WB: 1:2000. WB: 1:1000. WB: 1:2000. IHC-P-Leica: 1:500

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Buffer:** Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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.

**Handling Advice:** Avoid freeze-thaw cycles.

**Storage:** 4 °C,-20 °C

**Storage Comment:** Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots.

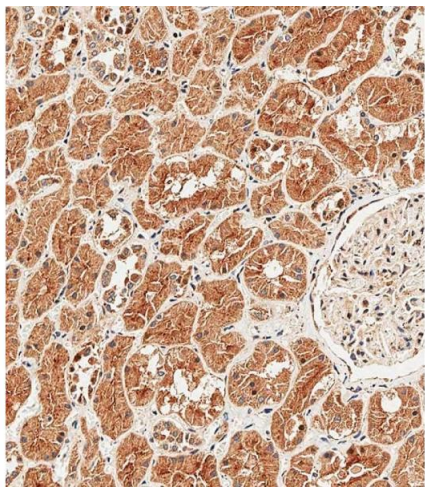
**Expiry Date:** 6 months

## Publications

**Product cited in:** Zarei, Hulley, Sabokbar, Javaid: "Co-expression of DKK-1 and Sclerostin in Subchondral Bone of

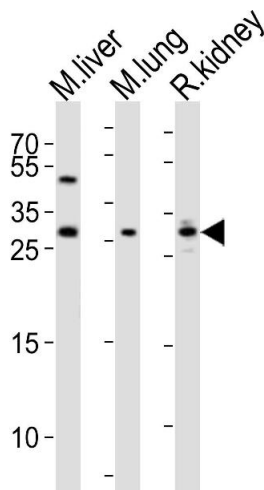
the Proximal Femoral Heads from Osteoarthritic Hips." in: **Calcified tissue international**, Vol. 100, Issue 6, pp. 609-618, (2018) ([PubMed](#)).

Lin, Lin, Chang, Wang, Lai: "Single-pulsed electromagnetic field therapy increases osteogenic differentiation through Wnt signaling pathway and sclerostin downregulation." in: **Bioelectromagnetics**, Vol. 36, Issue 7, pp. 494-505, (2015) ([PubMed](#)).



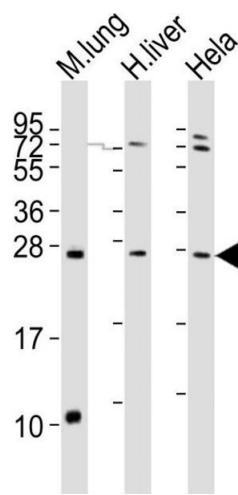
**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Immunohistochemical analysis of paraffin-embedded Human kidney tissue using A performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer ( pH 9. 0). Samples were incubated with primary Antibody (1:500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



**Western Blotting**

**Image 2.** Western blot analysis of lysates from mouse liver, mouse lung, rat kidney tissue lysate (from left to right), using SOST Antibody (N-term) (ABIN390193 and ABIN2840682). (ABIN390193 and ABIN2840682) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20 µg per lane.



**Western Blotting**

**Image 3.** All lanes : Anti-SOST Antibody (N-term) at 1:2000 dilution Lane 1: mouse lung lysates Lane 2: human liver lysates Lane 3: Hela whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 24 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN390193.