

For Research Use Only

# SOST/Sclerostin Polyclonal antibody

Catalog Number: 21933-1-AP

Featured Product

15 Publications



## Basic Information

Catalog Number:

21933-1-AP

Concentration:

550 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16567

GenBank Accession Number:

BC101086

GeneID (NCBI):

50964

UNIPROT ID:

Q9BQB4

Full Name:

sclerosteosis

Calculated MW:

213 aa, 24 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

Tested Applications:

IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

IHC : human kidney tissue, human breast cancer tissue, mouse lung tissue, mouse embryo tissue

IF/ICC : HepG2 cells,

## Background Information

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

## Notable Publications

Author	Pubmed ID	Journal	Application
Fang He	33159018	Aging (Albany NY)	WB
Xiaoran Wei	35611810	EMBO Mol Med	IF
Marko Lucijanic	29532161	Ann Hematol	IHC

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

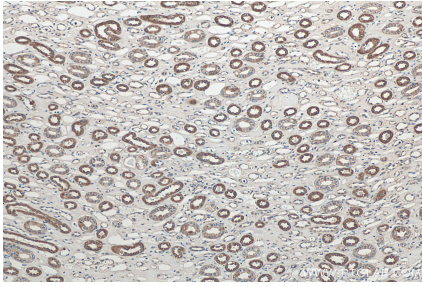
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

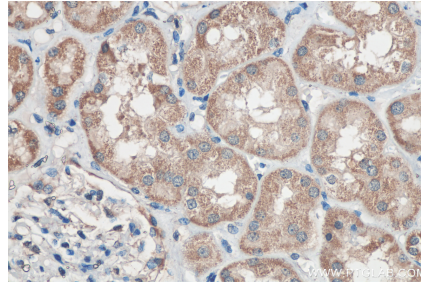
W: [ptgcn.com](http://ptgcn.com)

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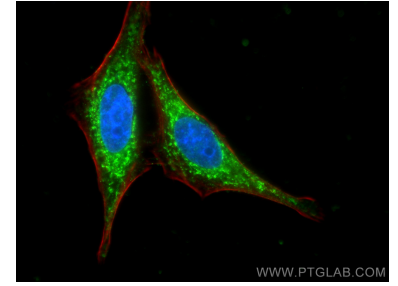
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 21933-1-AP (Sclerostin antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 21933-1-AP (Sclerostin antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Sclerostin antibody (21933-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).