

For Research Use Only

Sclerostin Polyclonal antibody

Catalog Number: 21933-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number: 21933-1-AP	GenBank Accession Number: BC101086	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 µg/ml by Nanodrop;	GeneID (NCBI): 50964	Recommended Dilutions: IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	Full Name: sclerosteosis	
Isotype: IgG	Calculated MW: 213 aa, 24 kDa	
Immunogen Catalog Number: AG16567		

Applications

Tested Applications: IF, IHC, ELISA	Positive Controls:
Cited Applications: IF, IHC, WB	IHC : human kidney tissue, human breast cancer tissue, mouse lung tissue, mouse embryo tissue
Species Specificity: human, mouse	IF : HepG2 cells,
Cited Species: human, rat, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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
Xiaoan Wei	35611810	EMBO Mol Med	IF
Marko Lucijanic	29532161	Ann Hematol	IHC

Storage

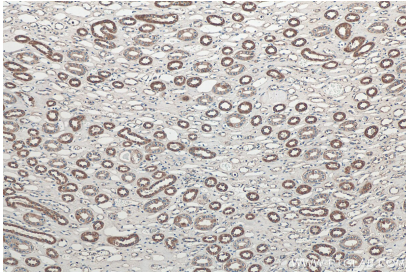
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

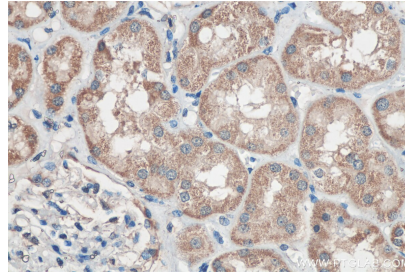
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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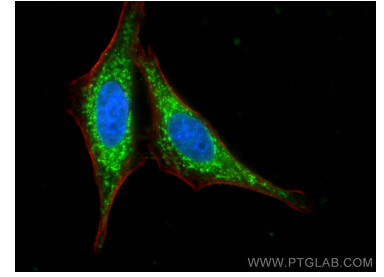
Selected Validation Data



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).