

## Anti-SOST Antibody (N-term)

Catalog Number: A03551-1

### About SOST

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.

### Overview

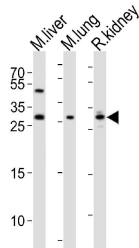
Product Name	Anti-SOST Antibody (N-term)
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-SOST Antibody (N-term) (Catalog # A03551-1). Tested in IHC-P-Leica, WB application(s). This antibody reacts with Human, Mouse, Rat.
Application	WB, IHC-P-Leica
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q9BQB4

### Technical Details

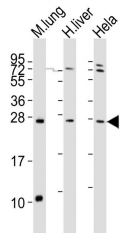
Immunogen	This SOST antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 12-42 amino acids from the N-terminal region of human SOST.
Predicted Reactive Species	Bovine
Isotype	Rabbit IgG
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB: 1:2000

	IHC-P-Leica: 1:500
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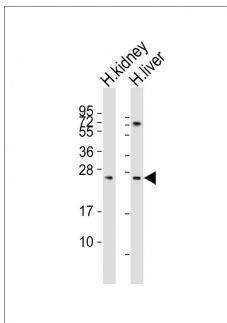
## Anti-SOST Antibody (N-term) (A03551-1) Images



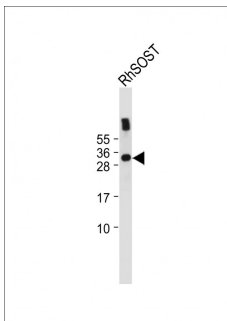
Western blot analysis of lysates from mouse liver, mouse lung, rat kidney tissue lysate (from left to right), using SOST Antibody (N-term). A03551-1 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.



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.

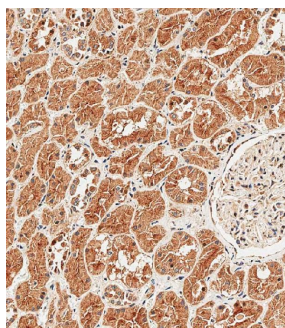


All lanes : Anti-SOST Antibody (N-term) at 1:1000 dilution  
Lane 1: human kidney lysates  
Lane 2: human liver lysates  
Lysates/proteins at 20 µg per lane.  
Secondary  
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution  
Predicted band size : 24 kDa  
Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-SOST Antibody (N-term) at 1:2000 dilution +  
Recombinant human SOST protein lysate  
Lysates/proteins at 20 ng 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.

Immunohistochemical analysis of paraffin-embedded Human kidney tissue using A03551-1 performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9. 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.

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