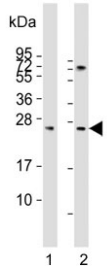
Sclerostin Antibody / SOST (F54329)

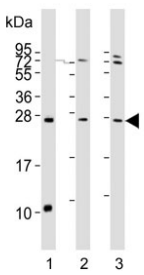
Catalog No.	Formulation	Size
F54329-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F54329-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

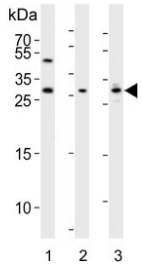
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
UniProt	Q9BQB4
Applications	Immunohistochemistry (FFPE): 1:25 Western blot: 1:500-1:2000
Limitations	This Sclerostin antibody is available for research use only.



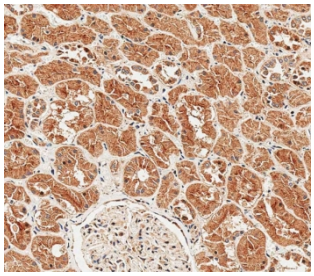
Western blot testing of human 1) kidney and 2) liver lysate with Sclerostin antibody. Predicted molecular weight ~24 kDa.



Western blot testing of 1) mouse lung, 2) human liver and 3) human HeLa lysate with Sclerostin antibody. Predicted molecular weight ~24 kDa.



Western blot testing of 1) mouse liver, 2) mouse lung and 3) rat kidney lysate with Sclerostin antibody. Predicted molecular weight ~24 kDa.



IHC testing of FFPE human kidney tissue with Sclerostin antibody. HIER: steam section in pH9 EDTA for 20 min and allow to cool prior to staining.

Description

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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Sclerostin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 12-42 from the human protein was used as the immunogen for the Sclerostin antibody.

Storage

Aliquot the Sclerostin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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