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SPP1 / Osteopontin Antibody (N-Terminus)

Rabbit Polyclonal Antibody
Catalog # ALS16768

Product Information

Application	WB, IHC-P, IF, E
Primary Accession	P10451
Other Accession	6696
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	35423
Dilution	IF (20 □g/ml), IHC-P (10 □g/ml), WB (1 - 2 □g/ml),
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	6696
Other Names	SPP1, BSPI, BNSP, Bone sialoprotein 1, ETA-1, Nephropontin, OPN, Secreted phosphoprotein 1, SPP-1, SPP1/CALPHA1 fusion, Urinary stone protein, Uropontin, Osteopontin, Bone sialoprotein I
Target/Specificity	SPP1 antibody is human, mouse and rat reactive. Multiple isoforms of SPP1 are known to exist.
Reconstitution & Storage	PBS, 0.02% sodium azide. Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.
Precautions	SPP1 / Osteopontin Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SPP1
Synonyms	BNSP, OPN
Function	Major non-collagenous bone protein that binds tightly to hydroxyapatite. Appears to form an integral part of the mineralized matrix. Probably important to cell-matrix interaction.
Cellular Location	Secreted
Tissue Location	Detected in cerebrospinal fluid and urine (at protein level)

(PubMed:25326458, PubMed:36213313, PubMed:37453717) Bone. Found in plasma.

Volume Array

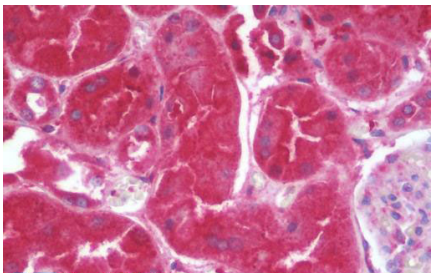
Background

Binds tightly to hydroxyapatite. Appears to form an integral part of the mineralized matrix. Probably important to cell-matrix interaction.

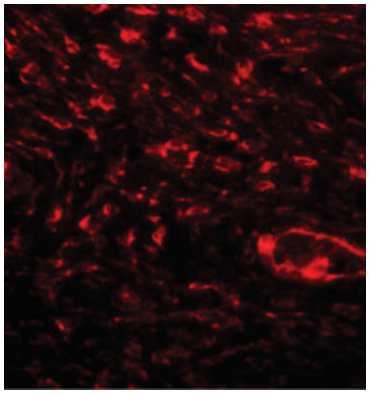
References

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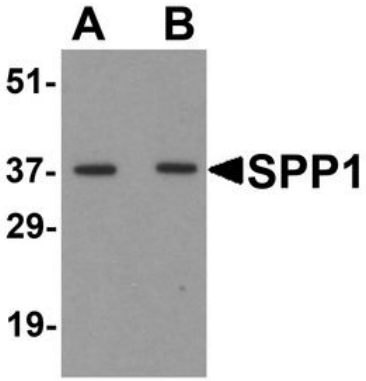
Images



Anti-SPP1 / Osteopontin antibody IHC staining of human kidney.



Immunofluorescence of SPP1 in human bladder tissue with SPP1 antibody at 20 ug/ml.



Western blot analysis of SPP1 in human bladder tissue lysate with SPP1 antibody at (A) 1 and (B)...

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.