

SPP1 / Osteopontin Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS16768

Specification

SPP1 / Osteopontin Antibody (N-Terminus) - Product Information

Application	IHC, IF, WB
Primary Accession	P10451
Other Accession	6696
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	35423

SPP1 / Osteopontin Antibody (N-Terminus) - 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.

SPP1 / Osteopontin Antibody (N-Terminus) - 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,

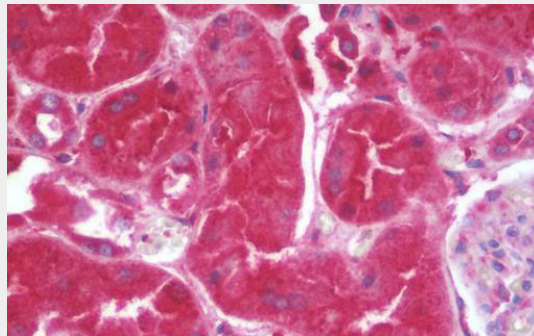
PubMed:37453717) Bone. Found in plasma.

SPP1 / Osteopontin Antibody (N-Terminus) - Protocols

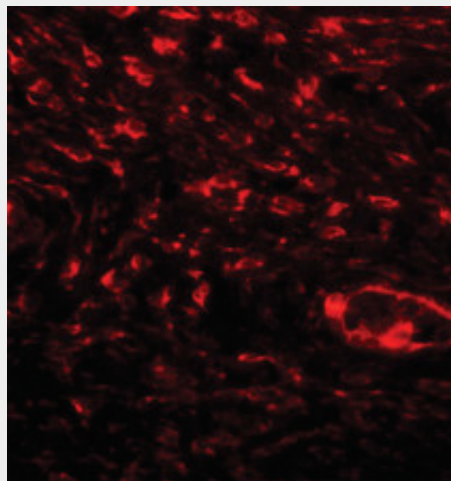
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

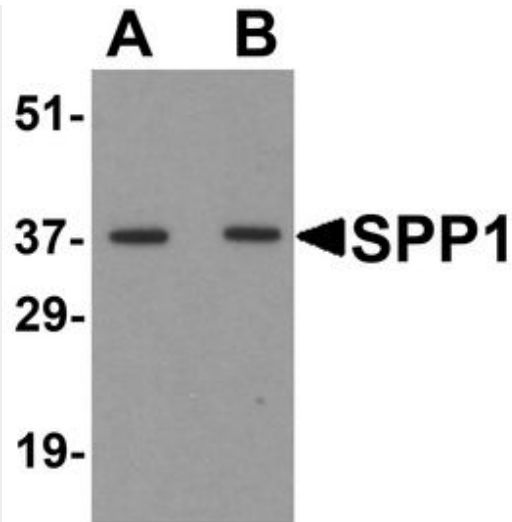
SPP1 / Osteopontin Antibody (N-Terminus) - Images



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)...

SPP1 / Osteopontin Antibody (N-Terminus) - Background

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

SPP1 / Osteopontin Antibody (N-Terminus) - References

- Kiefer M.C., et al. *Nucleic Acids Res.* 17:3306-3306(1989).
- Young M.F., et al. *Genomics* 7:491-502(1990).
- Shiraga H., et al. *Proc. Natl. Acad. Sci. U.S.A.* 89:426-430(1992).
- Crosby A.H., et al. *Genomics* 27:155-160(1995).
- Hijiya N., et al. *Biochem. J.* 303:255-262(1994).