

SPP1 / Osteopontin Antibody (clone X1)
Mouse Monoclonal Antibody
Catalog # ALS14275**Specification**

SPP1 / Osteopontin Antibody (clone X1) - Product Information

Application	IHC
Primary Accession	P10451
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	35kDa KDa

SPP1 / Osteopontin Antibody (clone X1) - Additional Information**Gene ID** 6696**Other Names**

Osteopontin, Bone sialoprotein 1, Nephropontin, Secreted phosphoprotein 1, SPP-1, Urinary stone protein, Uropontin, SPP1, BNSP, OPN

Target/Specificity

Human Osteopontin

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

SPP1 / Osteopontin Antibody (clone X1) is for research use only and not for use in diagnostic or therapeutic procedures.

SPP1 / Osteopontin Antibody (clone X1) - 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

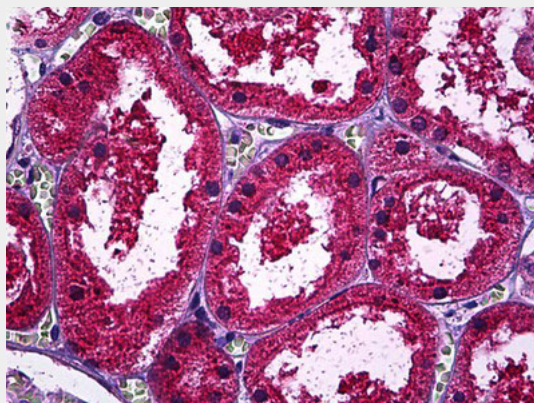
Detected in cerebrospinal fluid and urine (at protein level) (PubMed:25326458, PubMed:36213313, PubMed:37453717) Bone. Found in plasma.

SPP1 / Osteopontin Antibody (clone X1) - 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 (clone X1) - Images



Anti-Osteopontin antibody IHC of human kidney, tubules.

SPP1 / Osteopontin Antibody (clone X1) - Background

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

SPP1 / Osteopontin Antibody (clone X1) - 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).