

Osteopontin Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51532**Specification**

Osteopontin Antibody - Product Information

Application	WB, IHC-P, E
Primary Accession	P10451
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	66 KDa

Osteopontin Antibody - 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

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Osteopontin. The exact sequence is proprietary.

Dilution

WB~~1:1000

IHC-P~~N/A

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Osteopontin Antibody - 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.

Osteopontin Antibody - 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](#)

Osteopontin Antibody - Images**Osteopontin Antibody - Background**

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

Osteopontin Antibody - 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).