

Osteopontin Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51532

Product Information

Application	WB, IHC-P
Primary Accession	P10451
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35423

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
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

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.

Background

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

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).

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