

# Osteopontin Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51532

## Product Information

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|--------------------------|------------------------|
| <b>Application</b>       | WB, IHC-P              |
| <b>Primary Accession</b> | <a href="#">P10451</a> |
| <b>Reactivity</b>        | Human                  |
| <b>Host</b>              | Rabbit                 |
| <b>Clonality</b>         | Polyclonal             |
| <b>Calculated MW</b>     | 35423                  |

## Additional Information

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|--------------------|---|
| <b>Gene ID</b>     | 6696  |
| <b>Other Names</b> | Osteopontin, Bone sialoprotein 1, Nephropontin, Secreted phosphoprotein 1, SPP-1, Urinary stone protein, Uropontin, SPP1, BNSP, OPN |
| <b>Dilution</b>    | WB~~1:1000 IHC-P~~N/A   |
| <b>Format</b>      | 0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%   |
| <b>Storage</b>     | Store at -20 °C.Stable for 12 months from date of receipt   |

## Protein Information

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|--------------------------|---|
| <b>Name</b>              | SPP1  |
| <b>Synonyms</b>          | BNSP, OPN   |
| <b>Function</b>          | 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. |
| <b>Cellular Location</b> | Secreted  |
| <b>Tissue Location</b>   | Detected in cerebrospinal fluid and urine (at protein level) (PubMed:25326458, PubMed:36213313, PubMed:37453717) Bone. Found in plasma.   |

## Background

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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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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).  
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