

**Osteopontin Antibody**  
Rabbit mAb  
Catalog # AP90372

## Specification

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### Osteopontin Antibody - Product Information

Application **WB, FC, ICC**  
Primary Accession [P10451](#)  
Clonality **Monoclonal**

#### Other Names

BNSP; Bone sialoprotein 1; bone sialoprotein I; BSPI; early T-lymphocyte activation 1; ETA-1; Nephropontin; OPN; Osteopontin; OSTP; Secreted phosphoprotein 1;

Isotype **Rabbit IgG**  
Host **Rabbit**  
Calculated MW **35423 Da**

### Osteopontin Antibody - Additional Information

Purification **Affinity-chromatography**  
Immunogen **A synthesized peptide derived from human Osteopontin**  
Description **osteopontin Binds tightly to hydroxyapatite. Appears to form an integral part of the mineralized matrix. Probably important to cell-matrix interaction. Belongs to the osteopontin family. Ligand for integrin alpha-V/beta-3. 4 isoforms of the human protein are produced by alternative splicing.**  
Storage Condition and Buffer **Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

### 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

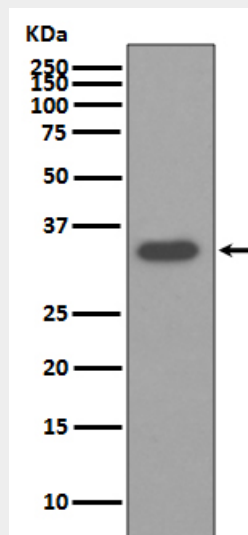
Detected in cerebrospinal fluid and urine (at protein level) (PubMed:25326458, PubMed:36213313, PubMed:37453717) Bone. Found in plasma.

### 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



Western blot analysis of Osteopontin expression in HepG2 cell lysate.