

## Rabbit Osteopontin Polyclonal Antibody | anti-SPP1 antibody

Osteopontin Antibody

|                               |                       |                                        |                                     |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA304819</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------|

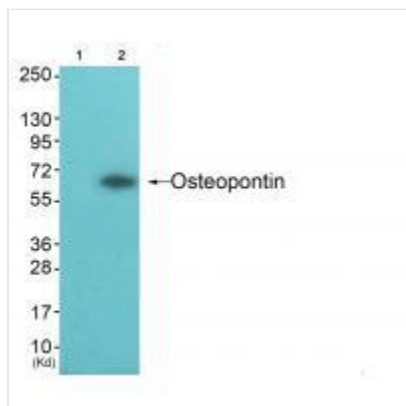
### PRODUCT SYNONYMS

Osteopontin; Polyclonal Antibody; Osteopontin Antibody; Bone sialoprotein 1; Nephropontin; OPN; OSTP; SPP-1; anti-SPP1 antibody

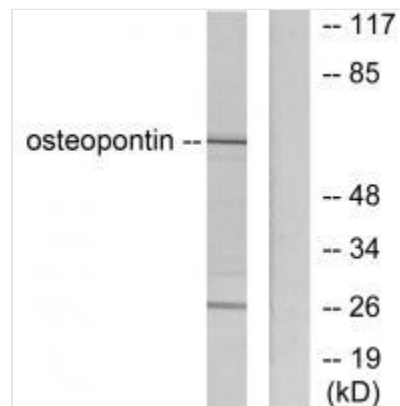
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                    |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                             |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                  |
| Clonality                                      | Polyclonal                                                                                                                                         |
| Specificity                                    | The antibody detects endogenous levels of total osteopontin protein.                                                                               |
| Purity/Purification                            | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                              |
| Form/Format                                    | Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                  | 1.0 mg/ml (varies by lot)                                                                                                                          |
| Sequence Length                                | 300                                                                                                                                                |
| Applicable Applications for anti-SPP1 antibody | WB (Western Blot)                                                                                                                                  |
| Immunogen Type                                 | Peptide                                                                                                                                            |
| Immunogen Description                          | Synthesized peptide derived from human osteopontin.                                                                                                |
| Target Name                                    | Osteopontin                                                                                                                                        |
| Preparation and Storage                        | Store at -20 degree C                                                                                                                              |

### IMAGES


**WB (Western Blot)**

Western blot analysis of extracts from HepG2 cells (Lane 2), using Osteopontin antibody. The lane on the left is treated with synthesized peptide.


**WB (Western Blot)**

Western blot analysis of extracts from LOVO cells, using osteopontin antibody.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SPP1 antibody | Binds tightly to hydroxyapatite. Appears to form an integral part of the mineralized matrix. Probably important to cell-matrix interaction.Acts as a cytokine involved in enhancing production of interferon-gamma and interleukin-12 and reducing production of interleukin-10 and is essential in the pathway that leads to type I immunity By similarity.George R. Beck, J. Biol. Chem., Oct 2003; 278: 41921 - 41929. KELLY L. HUDKINS, J. Am. Soc. Nephrol., Mar 1999; 10: 444. Lúcia R. Rodrigues, Cancer Epidemiol. Biomarkers Prev., Jun 2007; 16: 1087 - 1097. Yu-Hua Hsieh, Cancer Res., Jul 2006; 66: 7119 - |
| Product Categories/Family for anti-SPP1 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| NCBI GI #                        | 4759166                                                                |
| NCBI GeneID                      | 6696                                                                   |
| NCBI Accession #                 | NP_000573.1                                                            |
| NCBI GenBank Nucleotide #        | NM_000582.2                                                            |
| UniProt Accession #              | P10451; Q15681; Q15682; Q15683; Q4W597; Q567T5; Q8NBK2; Q96IZ1; B2RDA1 |
| Molecular Weight                 | 33,843 Da                                                              |
| NCBI Official Full Name          | osteopontin isoform OPN-b                                              |
| NCBI Official Synonym Full Names | secreted phosphoprotein 1                                              |
| NCBI Official Symbol             | SPP1                                                                   |
| NCBI Official Synonym Symbols    | OPN; BNSP; BSPI; ETA-1                                                 |
| NCBI Protein Information         | osteopontin                                                            |
| UniProt Protein Name             | Osteopontin                                                            |
| UniProt Gene Name                | <b>SPP1</b>                                                            |
| UniProt Synonym Gene Names       | BNSP; OPN; SPP-1                                                       |
| UniProt Entry Name               | OSTP_HUMAN                                                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.