

**Goat Anti-Osteopontin / SPP1 Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF1765a**Specification**

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**Goat Anti-Osteopontin / SPP1 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P10451</a>
Other Accession	<a href="#">NP_001035149</a> , <a href="#">6696</a> , <a href="#">20750 (mouse)</a>
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	35423

**Goat Anti-Osteopontin / SPP1 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

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-Osteopontin / SPP1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-Osteopontin / SPP1 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.

### Goat Anti-Osteopontin / SPP1 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](#)

### Goat Anti-Osteopontin / SPP1 Antibody - Images



AF1765a (0.5 µg/ml) staining of MOLT4 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Goat Anti-Osteopontin / SPP1 Antibody - References

Maternal genes and facial clefts in offspring: a comprehensive search for genetic associations in two population-based cleft studies from Scandinavia. Jugessur A, et al. PLoS One, 2010 Jul 9. PMID 20634891.

Evaluation of candidate stromal epithelial cross-talk genes identifies association between risk of serous ovarian cancer and TERT, a cancer susceptibility hot-spot. Johnatty SE, et al. PLoS Genet, 2010 Jul 8. PMID 20628624.

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expression of an extracellular matrix protein osteopontin. Yin B, et al. Chin Med Sci J, 2010 Jun. PMID 20598232.

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