



### OPN-a/b Antibody (N-term) Blocking peptide

Synthetic peptide Catalog # BP11567a

### **Specification**

OPN-a/b Antibody (N-term) Blocking peptide - Product Information

Primary Accession P10451

OPN-a/b Antibody (N-term) Blocking peptide - 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**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

#### **Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

OPN-a/b Antibody (N-term) Blocking peptide - Protein Information

Name SPP1

Synonyms BNSP, OPN

#### **Function**

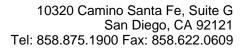
Major non-collagenous bone protein that binds tightly to hydroxyapatite. Appears to form an integral part of the mineralized matrix. Probably important to cell-matrix interaction.

## OPN-a/b Antibody (N-term) Blocking peptide - Background

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).

# OPN-a/b Antibody (N-term) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Weber, G.F., et al. Br. J. Cancer 103(6):861-869(2010)Chen, R.X., et al. J. Gastroenterol. Hepatol. 25(8):1435-1442(2010)Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) :





**Cellular Location** Secreted.

**Tissue Location**Bone. Found in plasma.

# OPN-a/b Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

• Blocking Peptides