

**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](#)