

## SPP1

**Reactivity:**Human Mouse

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:**33kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human SPP1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

b

**Synonym:**

SPP1;BNSP;BSPI;ETA-1; MGC110940;OPN;

**Catalog #:**A1361

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**6696

**Isotype:**IgG

**Swiss Prot:**P10451

**Purity:**Affinity purification

For research use only.

**Background:**

Osteopontin (OPN), also designated bone sialoprotein 1, urinary stone protein, spp-1, Eta-1, nephropontin and uropontin, is an extracellular matrix cell adhesion phosphoglycoprotein. OPN is deposited into unmineralized matrix prior to calcification leading to localization at various tissue interfaces including cement lines, lamina limitans and between collagen fibrils of fully matured hard tissues. While OPN is a major product of osteoblasts, it is also synthesized by brain and kidney cells. OPN isolated from or secreted by various tissues ranges in molecular weight due to posttranslational modifications. OPN functions as a substrate for transglutaminase and is involved in cell adhesion, chemoattraction and immunomodulation.

*To place an order, please [Click HERE](#).*