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SPP1

Reactivity: Human

Tested applications:WB IHC FC

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:100 FC1:20 - 1:50

Calculated MW:35kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human SPP1

Storage Buffer:

Store at 4. 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 #:A8082

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.

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