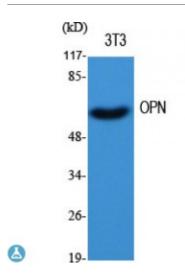


Anti-OPN antibody



Description Rabbit polyclonal to OPN.

Model STJ94832

Host Rabbit

Reactivity Human, Mouse, Rat

Applications ELISA, IHC, WB

Immunogen Synthesized peptide derived from human OPN

Immunogen Region 230-310 aa, C-terminal

Gene ID <u>6696</u>

Gene Symbol SPP1

Dilution range WB 1:500-1:2000IHC 1:100-1:300ELISA 1:20000

Specificity OPN Polyclonal Antibody detects endogenous levels of OPN protein.

Tissue Specificity Bone. Found in plasma.

Purification The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Note For Research Use Only (RUO).

Protein Name Osteopontin Bone sialoprotein 1 Nephropontin Secreted phosphoprotein 1

SPP-1 Urinary stone protein Uropontin

Molecular Weight 66 kDa

Clonality Polyclonal

Conjugation Unconjugated

Isotype IgG

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Concentration 1 mg/ml

Storage Instruction Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links <u>HGNC:11255OMIM:166490</u>

Alternative Names Osteopontin Bone sialoprotein 1 Nephropontin Secreted phosphoprotein 1

SPP-1 Urinary stone protein Uropontin

Function 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.

Cellular Localization Secreted.

Post-translational Extensively phosphorylated by FAM20C in the extracellular medium at

multiple sites within the S-x-E/pS motif. N- and O-glycosylated. Isoform 5 is

GalNAc O-glycosylated at Thr-59 or Ser-62.

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Modifications

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