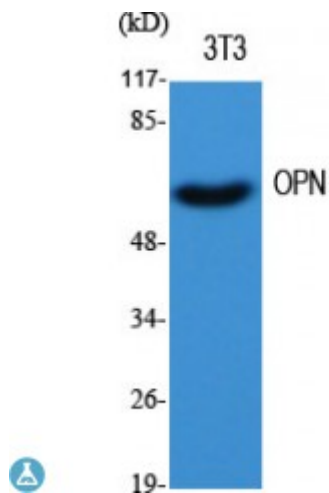


Anti-OPN antibody



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	6696
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	HGNC:11255OMIM:166490
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 Modifications	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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