



OPN Polyclonal Antibody

Secreted phosphoprotein 1; SPP-1; Urinary stone protein; Uropontin 60kD Cell Pathway Secreted. Tissue Specificity Bone. Found in plasma. Function disease: This protein plays a principal role in urinary stone formation as the ston matrix., function: 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., function: Binds tigh to hydroxyapatite. Appears to form an integral part of the mineralized matrix. Probably important to cell-matrix interaction., online information: Osteopontin		
Reactivity Human;Mouse;Rat Applications WB;IHC;IF;ELISA Gene Name SPP1 Protein Name Osteopontin Immunogen The antiserum was produced against synthesized peptide derived from human Osteopontin. AA range:261-310 Specificity OPN Polyclonal Antibody detects endogenous levels of OPN protein. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Polyclonal, Rabbit,IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-2000;IHC-p 1:100-500;IF/ICC 1:100-500;ELISA 1:5000-20000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms SPP1; BNSP; OPN; PSEC0156; Osteopontin; Bone sialoprotein 1; Nephropont Secreted phosphoprotein 1; SPP-1; Urinary stone protein; Uropontin Observed Band 60kD Cell Pathway Secreted. Tissue Specificity Bone. Found in plasma. disease:This protein plays a principal role in urinary stone formation as the ston matrix, function:Acts as a cytokine involved in enhancing production of interferon-gamma and interfeukin-12 and reducing production of interfeukin-10 and is essential in the pathway that leads to type I immunity, function: Binds tigh to hydroxyapatite. Appears to form an integral part of the mineralized matrix. Probably important to cell-matrix interaction, online information: Osteopontin entry, PTM:Extensively phosphorylated on clustered serine residues. PTM:N-12 are constructions.	Catalog No	BYab-04050
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(kD)

117-85-

48-

34-

26-

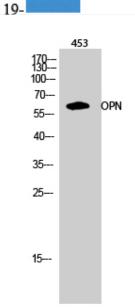
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Background	secreted phosphoprotein 1(SPP1) Homo sapiens The protein encoded by this gene is involved in the attachment of osteoclasts to the mineralized bone matrix. The encoded protein is secreted and binds hydroxyapatite with high affinity. The osteoclast vitronectin receptor is found in the cell membrane and may be involved in the binding to this protein. This protein is also a cytokine that upregulates expression of interferon-gamma and interleukin-12. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Western Blot analysis of various cells using OPN Polyclonal Antibody diluted at 1:500 OPN

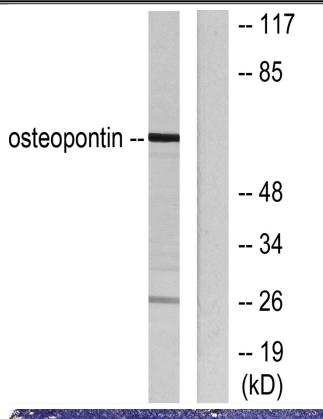


Western Blot analysis of 453 cells using OPN Polyclonal Antibody diluted at 1:500

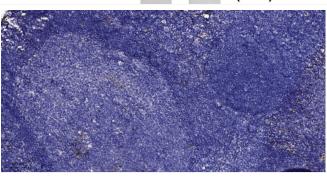
Nanjing BYabscience technology Co.,Ltd







Western blot analysis of lysates from LOVO cells, using Osteopontin Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).