

Rabbit anti-Human Osteopontin Polyclonal Antibody | anti-SPP1 antibody

Anti-Osteopontin antibody

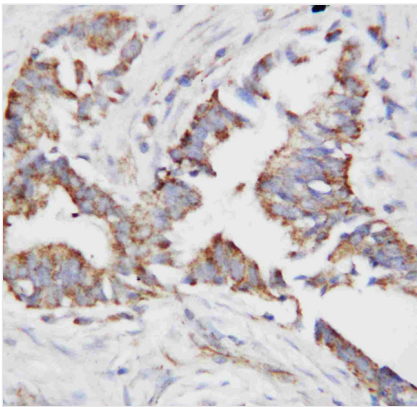
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45017	Rabbit	Human	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

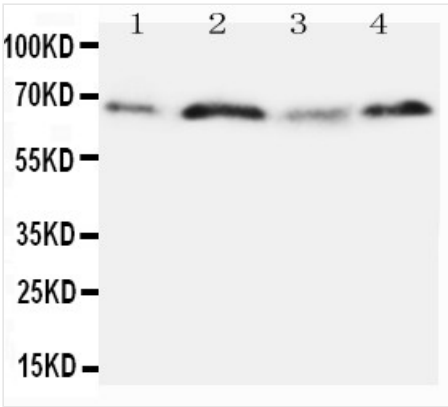
Osteopontin; Polyclonal Antibody; Anti-Osteopontin antibody; secreted phosphoprotein 1; BNSP antibody; Bone sialoprotein 1 antibody; BSP I antibody; BSPI antibody; Early T lymphocyte activation 1 antibody; ETA 1 antibody; ETA1 antibody; MGC110940 antibody; Nephropontin antibody; OPN antibody; Osteopontin antibody; osteopontin/immunoglobulin alpha 1 heavy chain constant region fusion protein antibody; OSTP_HUMAN antibody; PSEC0156 antibody; secreted phosphoprotein 1(osteopontin; bone sialoprotein I; early T-lymphocyte activation 1) antibody; Secreted phosphoprotein 1 antibody; SPP 1 antibody; SPP-1 antibody; SPP1 antibody; SPP1/CALPHA1 fusion antibody; Urinary stone protein antibody; Uropontin antibody; anti-SPP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	314
Applicable Applications for anti-SPP1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Osteopontin (28-47aa EEKQLYNKYPDVATWLNPD), different from the related mouse sequence by six amino acids.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)
Anti-Osteopontin antibody, AAA45017, IHC(P)IHC(P): Human Mammary Cancer Tissue



WB (Western Blot)
Anti-Osteopontin antibody, AAA45017, Western blottingLane 1: MM231 Cell LysateLane 2: HELA Cell LysateLane 3: JURKAT Cell LysateLane 4: COLO320 Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-SPP1 antibody	Description: Rabbit IgG polyclonal antibody for Osteopontin(SPP1) detection. Tested with WB, IHC-P in Human. Background: Osteopontin(OPN) also called urinary stone protein, secreted phosphoprotein 1(SPP1), bone sialoprotein, and early T lymphocyte activation 1(ETA1). Osteopontin is a phosphorylated glycoprotein secreted to the mineralizing extracellular matrix by osteoblasts during bone development. Osteopontin is presumably involved in stone formation as stone matrix. The deduced protein sequence reveals a 317-amino acid protein(34,982 Da) containing a 16-amino acid hydrophobic signal sequence and a 33,352-Da protein destined to undergo extensive post-translational modifications before being secreted from the cell. The gene is located on human chromosome 4. The standard product used in this kit is recombinant human OPN, consisting of 17-314 amino acid sequence with the molecular mass of 32.9KDa. As a result of glycosylation, the molecular mass is 60-65KDa.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	129260
NCBI GeneID	6696
UniProt Accession #	P10451; Q15681; Q15682; Q15683; Q4W597; Q567T5; Q8NBK2; Q96IZ1; B2RDA1
Molecular Weight	33,843 Da
NCBI Official Full Name	Osteopontin
NCBI Official Synonym Full Names	secreted phosphoprotein 1
NCBI Official Symbol	SPP1
NCBI Official Synonym Symbols	OPN; BNSP; BSPI; ETA-1
NCBI Protein Information	osteopontin; uropontin; nephropontin; SPP1/CALPHA1 fusion; urinary stone protein; early T-lymphocyte activation 1; osteopontin/immunoglobulin alpha 1 heavy chain constant region fusion protein; secreted phosphoprotein 1 (osteopontin, bone sialoprotein I, early T-lymphocyte activation 1)
UniProt Protein Name	Osteopontin
UniProt Gene Name	SPP1
UniProt Synonym Gene Names	BNSP; OPN; SPP-1
UniProt Entry Name	OSTP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

