

Rabbit Osteopontin Monoclonal Antibody | anti-SPP1 antibody

Recombinant Osteopontin Monoclonal Antibody

CATALOG # AAA178814	HOST Rabbit	REACTIVITY Human, Rat, Hamster	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Osteopontin; Monoclonal Antibody; Recombinant Osteopontin Monoclonal Antibody; BNSP; BSPI; ETA-1; OPN; SPP1; anti-SPP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Hamster
Clonality	Monoclonal
Isotype	IgG
Clone Number	R08-1C5
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Concentration	300ug/mL (varies by lot)
Applicable Applications for anti-SPP1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human Osteopontin
Research Area	Cancer, Cardiovascular, Signal Transduction, Stem Cells
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of Osteopontin in paraffin-embedded Human colon cancer tissue using Osteopontin Rabbit mAb at dilution 1:50



WB (Western Blot)

Western blot detection of Osteopontin in Hela, CHO-K1, C6, Jurkat cell lysates using Osteopontin Rabbit mAb(1:1000 diluted). Predicted band size: 35kDa. Observed band size: 35kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SPP1 antibody	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.
Product Categories/Family for anti-SPP1 antibody	Antibodies ; Primary Antibodies ; Recombinant Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	4759166
NCBI GeneID	6696
NCBI Accession #	NP_000573.1
NCBI GenBank Nucleotide #	NM_000582.2
UniProt Accession #	P10451; Q15681; Q15682; Q15683; Q4W597; Q567T5; Q8NBK2; Q96IZ1; B2RDA1
Molecular Weight	35,423 Da
NCBI Official Full Name	osteopontin isoform OPN-b
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,
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/osteopontin-antibody-clone-r08-1c5-immunohistochemistry-western-blot-elisa/178814>