Goat SPP1 / Osteopontin Polyclonal Antibody | anti-SPP1 antibody

Goat Polyclonal to Human SPP1 / Osteopontin

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50878	**Goat**	**Gibbon, Gorilla, Human, OrangutanPredicted Reactivity: Monkey (at least 90% immunogen sequence identity)**	**ELISA, Western Blot, Immunohistochemistry**

PRODUCT SYNONYMS

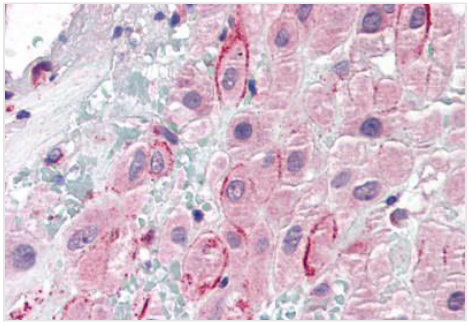
SPP1 / Osteopontin; Polyclonal Antibody; Goat Polyclonal to Human SPP1 / Osteopontin; Anti-SPP1 / Osteopontin Antibody (C-Terminus) IHC-plus; SPP1; BSPI; BNSP; Bone sialoprotein 1; ETA-1; Nephropontin; OPN; Secreted phosphoprotein 1; SPP-1; SPP1/CALPHA1 fusion; Urinary stone protein; Uropontin; Osteopontin; Bone sialoprotein I; Human SPP1; anti-SPP1 antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Gibbon, Gorilla, Human, Orangutan **Predicted Reactivity:** Monkey (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human SPP1 / Osteopontin.
Purity/Purification	Immunoaffinity Purified
Form/Format	Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	300
Applicable Applications for anti-SPP1 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide C-DPKSKEEDKHLK from the C-terminus of human SPP1 / Osteopontin (NP_001035147.1; NP_000573.1; NP_001035149.1). Percent identity by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey (100%); Marmoset (92%).
Immunogen Type	Synthetic peptide
Immunogen	SPP1 / Osteopontin antibody was raised against synthetic peptide C-DPKSKEEDKHLK from the C-terminus of human SPP1 / Osteopontin (NP_001035147.1; NP_000573.1; NP_001035149.1). Percent identity by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey (100%); Marmoset (92%); Mouse, Panda, Dog, Pig, Arthrobotrys (83%).
Antigen Modification	C-Terminus
Preparation and Storage	Store at -20 degree C. Minimize freezing and thawing.

IMAGES

WB (Western Blot)
Staining (0.3 ug/ml) of Human Thymus lysate (RIPA buffer, 30 ug total protein per lane). Primary incubated for 1 hour. Detected by using chemiluminescence.



IHC (Immunohistochemistry)
Anti-Osteopontin antibody IHC of human placenta. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-SPP1 antibody	Osteopontin (OPN) is an integrin-binding protein overexpressed in various experimental models of malignancy and appears to be involved in tumorigenesis and metastasis.

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	33,843 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, 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.

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Online datasheet: https://www.aaabiotech.com/polyclonal/spp1-osteopontin-antibody-western-blot-immunohistochemistry-elisa/50878