

Mouse Osteopontin, C-terminal Monoclonal Antibody | anti-SPP1 antibody

Monoclonal Antibody to Human Osteopontin, C-terminal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA60670	Mouse	Specific for the C-terminal fragment of full-length Osteopontin. Recognizes native human Osteopontin from purified breast milk and recombinant murine OPN expressed in E.coli.	Western Blot, ELISA

PRODUCT SYNONYMS

Osteopontin; C-terminal; Monoclonal Antibody; Monoclonal Antibody to Human Osteopontin; anti-SPP1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Specific for the C-terminal fragment of full-length Osteopontin. Recognizes native human Osteopontin from purified breast milk and recombinant murine OPN expressed in E.coli.
Clonality	Monoclonal
Isotype	IgG1 k
Clone Number	1F11
Purity/Purification	Protein A chromatography from ascites Purity: >95% pure determined by size-exclusion chromatography
Concentration	1.0 mg/mL (varies by lot)
Sequence Length	300
Applicable Applications for anti-SPP1 antibody	WB (Western Blot), ELISA
Immunogen	Recombinant full-length human Osteopontin
pI	6.5-7.0
Buffer	0.15M PBS
Preservative	None
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store at -20C to -80C; avoid repeat freeze- thaw cycles

ADDITIONAL INFORMATION

Related Product Information for anti-SPP1 antibody	Human Osteopontin (OPN) is a negatively charged hydrophilic protein of 314 amino acids and is subject to significant post translational modifications (PTM) including phosphorylation and glycosylation. Due to its acidic nature and PTMs, OPN runs anomalously by SDS-PAGE. Although its mass is 35 kD, apparent molecular weights may range up to 75kD. In addition, OPN is subject to proteolytic modification into smaller molecular weight fragments.
References	Alicia Plumer, Hongyi Duan, Sripriya Subramaniam, F. Lee Lucas, Susan Meisfeldt, Ah-Kau Ng, Lucy Liaw. Development of Fragment Specific Osteopontin Antibodies and ELISA for Quantification in Human Metastatic Breast Cancer. BMC Cancer 2008, 8:38.

NCBI AND UNIPROT INFORMATION

NCBI GI #	189405
NCBI GeneID	6696
UniProt Accession #	P10451; Q15681; Q15682; Q15683; Q4W597; Q567T5; Q8NBK2; Q96IZ1; B2RDA1
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/osteopontin-c-terminal-antibody-clone-1f11-western-blot-elisa/60670>