Mouse anti-Human, Mouse Osteopontin Monoclonal Antibody | anti-OPN antibody

Osteopontin (Bone Sialoprotein 1, Nephropontin, Secreted Phosphoprotein 1, SPP-1, Urinary Stone Protein, Uropontin, SPP1, BNSP, OPN, PSEC0156, MGC110940) (FITC)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25186	**Mouse**	**Human, Mouse**	**ELISA, Western Blot**

PRODUCT SYNONYMS

Osteopontin; Monoclonal Antibody; Osteopontin (Bone Sialoprotein 1; Nephropontin; Secreted Phosphoprotein 1; SPP-1; Urinary Stone Protein; Uropontin; SPP1; BNSP; OPN; PSEC0156; MGC110940) (FITC); anti-OPN antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	4H7
Specificity	Recognizes human SPP1. Species Crossreactivity: mouse.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Applicable Applications for anti-OPN antibody	ELISA, WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Full length recombinant corresponding to aa1-301 from human SPP1 (AAH07016) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MRIAVICFCLLGITCAIPVKQADSGSSEEKQLYNKYPDAVATWLNPDPSQKQNLLAPQTLPSKSNESHDHMDDMDDEDDDDHVDSQDSIDSNDSDDVDD
Conjugate	FITC
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor and prior to removing the cap.

IMAGES

Application Data
Detection limit for recombinant GST tagged SPP1 is ~1ng/ml as a capture antibody.

WB (Western Blot)
SPP1 monoclonal antibody. Western Blot analysis of SPP1 expression in NIH/3T3.

WB (Western Blot)
SPP1 monoclonal antibody, Western Blot analysis of SPP1 expression in Hela NE.

WB (Western Blot)
SPP1 monoclonal antibody. Western Blot analysis of SPP1 expression in COLO 320 HSR.

WB (Western Blot)
SPP1 monoclonal antibody. Western Blot analysis of SPP1 expression in HeLa.

WB (Western Blot)
SPP1 monoclonal antibody. Western Blot analysis of SPP1 expression in human stomach.

ADDITIONAL INFORMATION

Related Product Information for anti-OPN antibody	Binds tightly to hydroxyapatite. Appears to form an integral part of the mineralized matrix. Probably important to cell-matrix interaction.
Product Categories/Family for anti-OPN antibody	Antibodies; Osteopontin

NCBI AND UNIPROT INFORMATION

NCBI GI #	13937828
NCBI GeneID	6696
UniProt Accession #	P10451; Q15681; Q15682; Q15683; Q4W597; Q567T5; Q8NBK2; Q96IZ1; B2RDA1
Molecular Weight	35,423 Da
NCBI Official Full Name	Homo sapiens secreted phosphoprotein 1, mRNA
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/osteopontin-antibody-clone-4h7-western-blot-elisa/25186