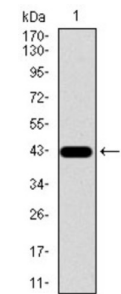
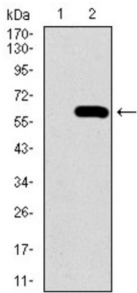


Osteopontin (SPP1) Antibody

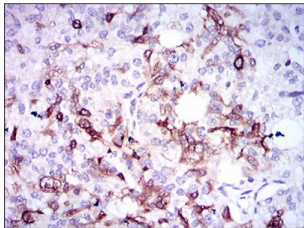
Catalogue No.: abx011873



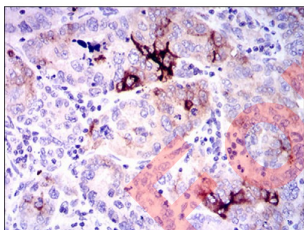
Western blot analysis using SPP1 antibody against human SPP1 recombinant protein. (Expected MW is 42.6 kDa).



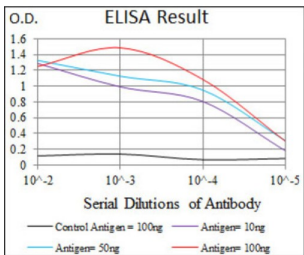
Western blot analysis using SPP1 antibody against HEK293 (1) and SPP1 (AA: 167-314) - hlgGFc transfected HEK293 (2) cell lysate.



Immunohistochemical analysis of paraffin-embedded prostate cancer tissues using SPP1 antibody with DAB staining.



Immunohistochemical analysis of paraffin-embedded endometrial cancer tissues using SPP1 antibody with DAB staining.



ELISA analysis. Red: Control Antigen (100 ng); Purple: Antigen (10 ng); Green: Antigen (50 ng); Blue: Antigen (100 ng).

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.

Target:	Osteopontin (SPP1)
Clonality:	Monoclonal
Reactivity:	Human
Tested Applications:	ELISA, IHC, IF/ICC
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, IHC: 1/200 - 1/1000, IF/ICC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human SPP1 (AA: 167-314) expressed in E. coli.
Isotype:	IgG ₁
Form:	Liquid
Purification:	Purified from ascites by Protein G chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P10451 (UniProt , ExPASy)
Gene Symbol:	SPP1
GeneID:	6696
OMIM:	166490
HGNC:	11255
KEGG:	hsa:6696
Ensembl:	ENSG00000118785
String:	9606.ENSP00000378517

Datasheet

Version: 5.0.0

Revision date: 11 May 2025



Molecular Weight: 35.4 kDa

Buffer: PBS, containing 0.05% sodium azide.

Concentration: 1 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only