Product Name: SPP1 Mouse Monoclonal Antibody
Catalog #: AMM81205
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC,ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:200-1:400,ELISA 1:5000-1:20000
Molecular Weight	35.4kDa

Antigen Information

Gene Name	SPP1
Alternative Names	OPN; BNSP; BSPI; ETA-1
Gene ID	6696.0
SwissProt ID	P10451
Immunogen	Purified recombinant fragment of human SPP1 (AA: 167-314) expressed in E. Coli.

Background

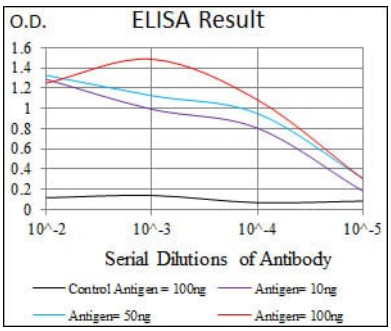
The protein encoded by this gene is involved in the attachment of osteoclasts to the mineralized bone matrix. The encoded protein is secreted and binds hydroxyapatite with high affinity. The osteoclast vitronectin receptor is found in the cell membrane and may be involved in the binding to this protein. 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.

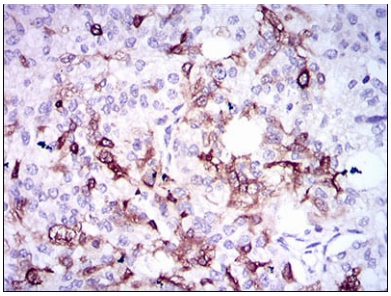
Research Area

PI3K-Akt signaling pathway

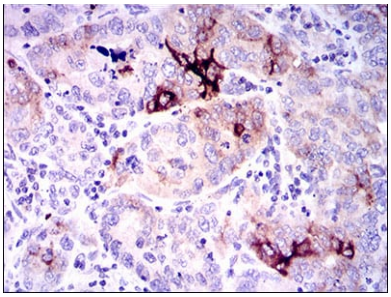
Image Data



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissues using SPP1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissues using SPP1 mouse mAb with DAB staining.