Datasheet for ABIN1098149

anti-Osteopontin antibody (AA 167-314)

5 Images | 2 Publications

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Overview

Quantity:	0.1 mg
Target:	Osteopontin (SPP1)
Binding Specificity:	AA 167-314
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human SPP1 (AA: 167-314) expressed in E. coli.
Clone:	7C5H12
Isotype:	IgG1
Purification:	purified

Target Details

Target:	Osteopontin (SPP1)
Alternative Name:	SPP1 (SPP1 Products)
Background:	Description: 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

Target Details

	expression of interferon-gamma and interleukin-12. Several transcript variants encoding different isoforms have been found for this gene. , , , Aliases: OPN, BNSP, BSPI, ETA-1
Molecular Weight:	35.4 kDa
Gene ID:	6696
HGNC:	6696
Pathways:	Regulation of Cell Size

Application Details

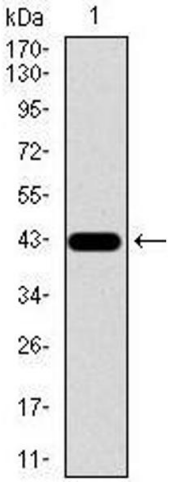
Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

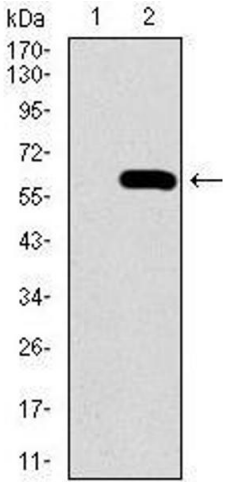
Publications

Product cited in:	Xu, Deng, Mao, Zhang, Wang, Wang, Mu, Deng, Ma: "The interaction of the second Kunitz-type domain (KD2) of TFPI-2 with a novel interaction partner, prosaposin, mediates the inhibition of the invasion and migration of human fibrosarcoma cells." in: **The Biochemical journal**, Vol. 441, Issue 2, pp. 665-74, (2011) (PubMed). Hu, Delorme, Liu, Liu, Velasco-Gonzalez, Garai, Pullikuth, Koochekpour: "Prosaposin down-modulation decreases metastatic prostate cancer cell adhesion, migration, and invasion." in: **Molecular cancer**, Vol. 9, pp. 30, (2010) (PubMed).



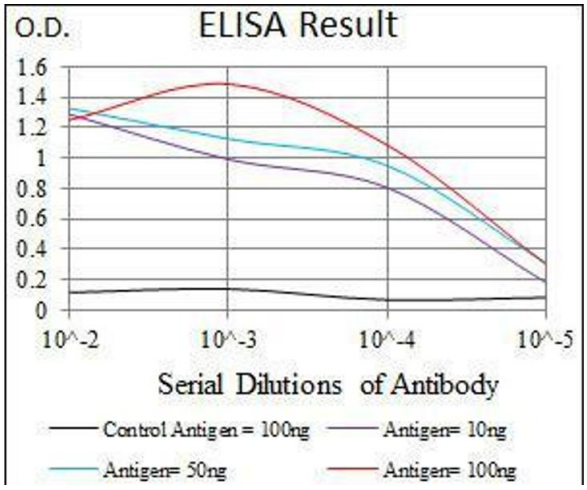
Western Blotting

Image 1. Western blot analysis using SPP1 mAb against human SPP1 recombinant protein. (Expected MW is 42.6 kDa)



Western Blotting

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



ELISA

Image 3. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),

Please check the product details page for more images. Overall 5 images are available for ABIN1098149.