

DATASHEET

Osteopontin Rabbit Monoclonal Antibody(C3218)

CAT. NO. AMA02830

KEY FEATURES

Target	Osteopontin	Source / Host	Rabbit
Reactivity	Human, Rat, Hamster	Clonality	Monoclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA.	Storage	at-20°C

BACKGROUND

Major non-collagenous bone protein that binds tightly to hydroxyapatite. Appears to form an integral part of the mineralized matrix. Probably important to cell-matrix interaction.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:50 - 1:100

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit monoclonal antibody to Osteopontin
Specificity	Recognizes endogenous levels of Osteopontin protein.
Antibody Type	Primary antibody
Immunogen	A synthetic peptide of human Osteopontin
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 35 kD; Observed: 35 kD
Form/Buffer	Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA.
Alternative Names	BNSP; OPN; Osteopontin; Bone sialoprotein 1; Nephropontin; Secreted phosphoprotein 1; SPP-1; Urinary stone protein; Uropontin
Gene Symbol	SPP1
Entrez Gene	6696(Human); 25353(Rat)
SwissProt	P10451(Human); P08721(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

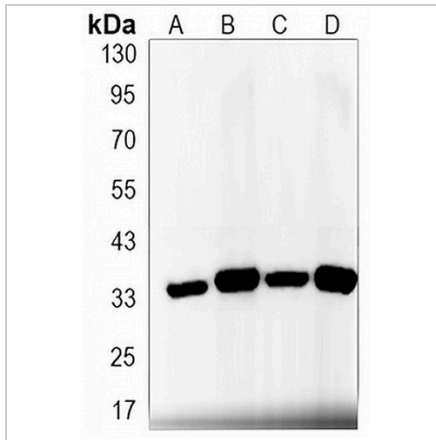
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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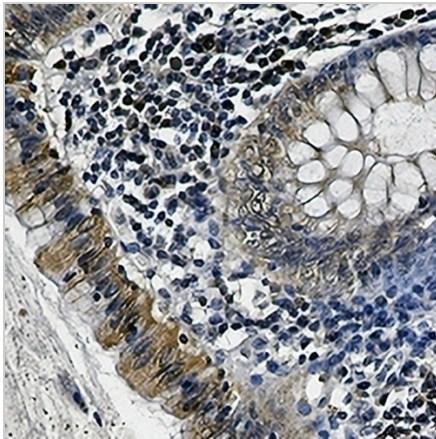
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Western blot analysis of Osteopontin expression in HeLa (A), CHOK1 (B), C6 (C), Jurkat (D) whole cell lysates. (Predicted band size: 35 kD; Observed band size: 35 kD)



Immunohistochemical analysis of Osteopontin staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.