

Product datasheet

Anti-Osteopontin antibody [53] ab69498

★★★★★ [5 Abreviews](#) [34 References](#) [4 Images](#)

Overview

Product name	Anti-Osteopontin antibody [53]
Description	Mouse monoclonal [53] to Osteopontin
Host species	Mouse
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein corresponding to Human Osteopontin.
Positive control	WB: HeLa, MCF-7, A431, HEK-293 and Caki-2 lysates. IHC-P: Human breast cancer tissue.
General notes	<p>This product was changed from ascites to tissue culture supernatant on 2nd March 2020. Lot numbers higher than GR3233119 are from tissue culture supernatant. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.1% Sodium azide Constituent: PBS
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	53
Isotype	IgG2a

Light chain type

kappa

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab69498 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★☆ (2)	1/1000. Predicted molecular weight: 33 kDa.
IHC-P		Use a concentration of 10 µg/ml.

Target

Function

Binds tightly to hydroxyapatite. Appears to form an integral part of the mineralized matrix. Probably important to cell-matrix interaction. Acts as a cytokine involved in enhancing production of interferon-gamma and interleukin-12 and reducing production of interleukin-10 and is essential in the pathway that leads to type I immunity.

Tissue specificity

Bone. Found in plasma.

Sequence similarities

Belongs to the osteopontin family.

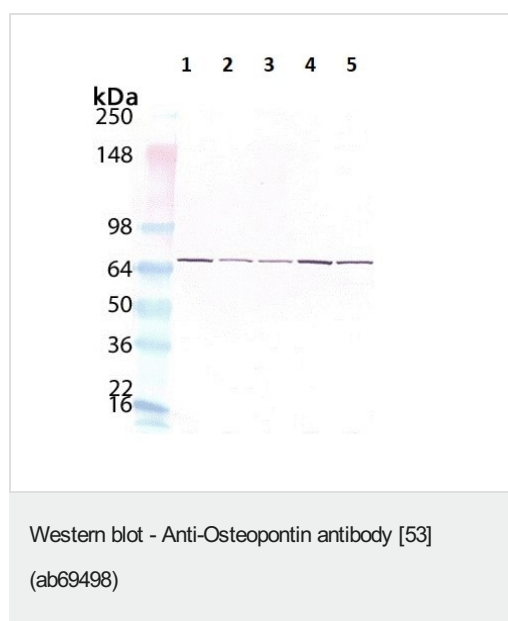
Post-translational modifications

Extensively phosphorylated on clustered serine residues. N- and O-glycosylated. Phosphorylation sites are present in the extracellular medium.

Cellular localization

Secreted.

Images



All lanes : Anti-Osteopontin antibody [53] (ab69498) at 1/1000 dilution

Lane 1 : HeLa lysate

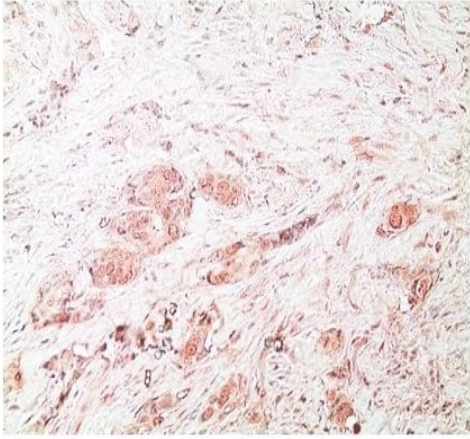
Lane 2 : MCF-7 lysate

Lane 3 : A431 lysate

Lane 4 : HEK-293 lysate

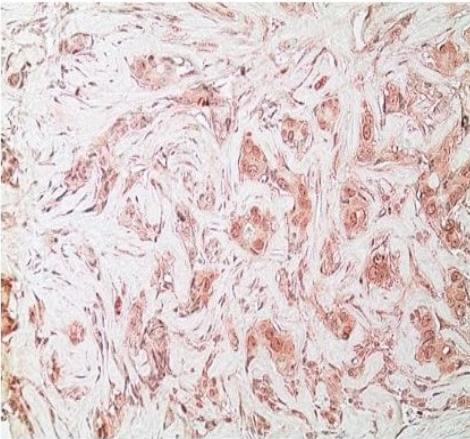
Lane 5 : Caki-2 lysate

Predicted band size: 33 kDa



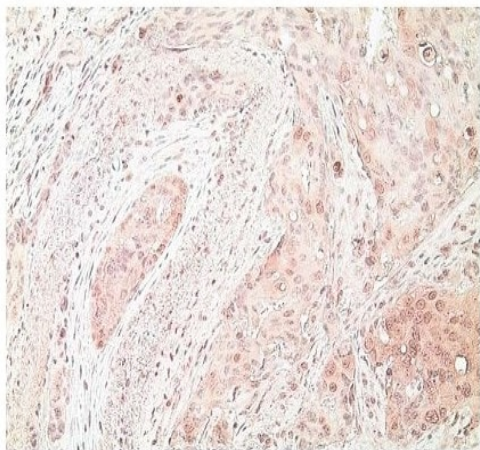
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Osteopontin antibody [53] (ab69498)

Immunohistochemistry analysis of formalin-fixed, paraffin-embedded human breast cancer tissue stained with ab69498 at 10 µg/ml.



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Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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