

Anti-Osteopontin antibody - N-terminal ab181440

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Overview

Product name	Anti-Osteopontin antibody - N-terminal
Description	Rabbit polyclonal to Osteopontin - N-terminal
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human Osteopontin (N terminal). (18 amino acid peptide; NP_001238759). Database link: P10451
Positive control	Human bladder tissue and lysate.
General notes	<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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: 99% PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab181440 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		Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 37 kDa (predicted molecular weight: 36 kDa).
IHC-P		Use a concentration of 5 - 20 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.

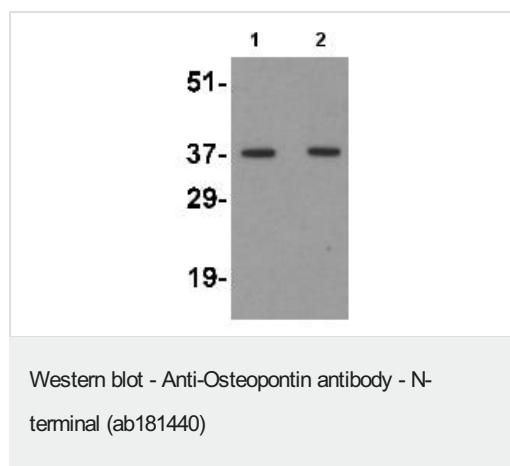
Post-translational modifications

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

Cellular localization

Secreted.

Images



Lane 1 : Anti-Osteopontin antibody - N-terminal (ab181440) at 1 µg/ml

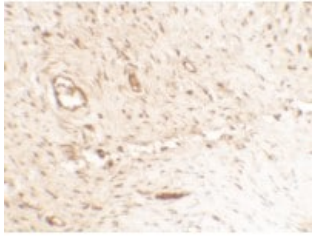
Lane 2 : Anti-Osteopontin antibody - N-terminal (ab181440) at 2 µg/ml

All lanes : Human bladder tissue lysate

Lysates/proteins at 15 µg per lane.

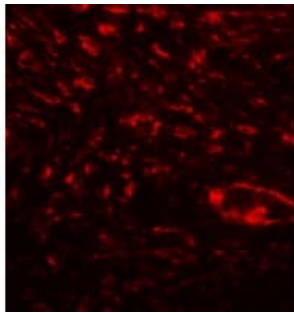
Predicted band size: 36 kDa

Observed band size: 37 kDa



Immunohistochemical analysis of paraffin-embedded Human bladder tissue labeling Osteopontin with ab181440 at 5 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Osteopontin antibody - N-terminal (ab181440)



Immunohistochemical analysis of paraffin-embedded Human bladder tissue labeling Osteopontin with ab181440 at 20 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Osteopontin antibody - N-terminal (ab181440)

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

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