

## Product datasheet

# Anti-Osteopontin antibody ab231736

[1 References](#) [5 Images](#)

### Overview

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<b>Product name</b>	Anti-Osteopontin antibody
<b>Description</b>	Rabbit polyclonal to Osteopontin
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human, Pig, Recombinant fragment <b>Predicted to work with:</b> Rhesus monkey 
<b>Immunogen</b>	Recombinant fragment (His-tag) corresponding to Rhesus monkey Osteopontin aa 1 to the C-terminus. N-terminal tag. Expressed in E. coli. Database link: <a href="#">F6V2X3</a>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	IHC-P: Human cerebrum and kidney tissue. WB: Recombinant rhesus monkey Osteopontin protein. HeLa cell lysate. Pig kidney tissue lysate.
<b>General notes</b>	<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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 44.12% PBS, 55.77% Glycerol (glycerin, glycerine)
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
<b>Clonality</b>	Polyclonal

Isotype

IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab231736 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 0.2 - 2 µg/ml. Predicted molecular weight: 35 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.

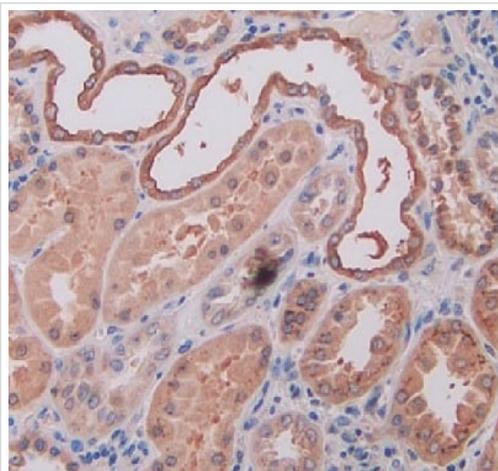
N- and O-glycosylated.

Phosphorylation sites are present in the extracellular medium.

### Cellular localization

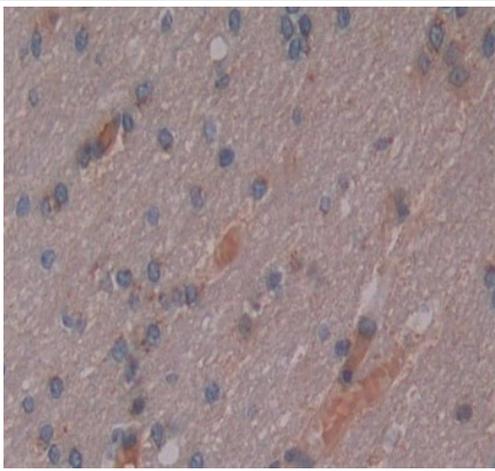
Secreted.

## Images



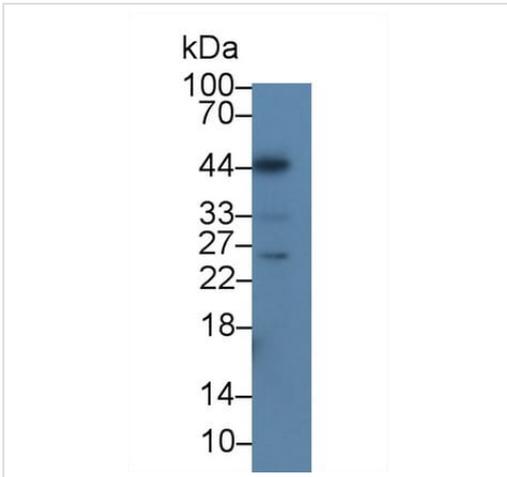
Formalin-fixed, paraffin-embedded human kidney tissue stained for Osteopontin with ab231736 at 10 µg/ml in immunohistochemical analysis. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Osteopontin antibody (ab231736)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Osteopontin antibody (ab231736)

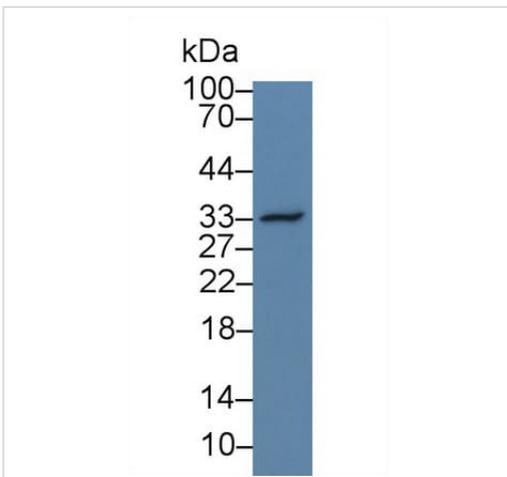
Formalin-fixed, paraffin-embedded human cerebrum tissue stained for Osteopontin with ab231736 at 10 µg/ml in immunohistochemical analysis. DAB staining.



Western blot - Anti-Osteopontin antibody (ab231736)

Anti-Osteopontin antibody (ab231736) at 2 µg/ml + Pig kidney tissue lysate

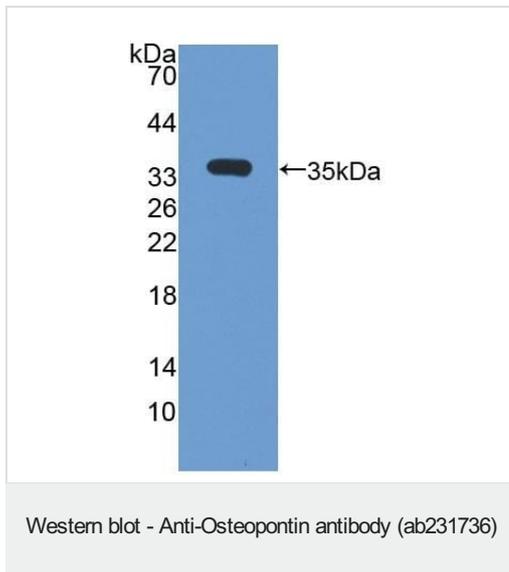
**Predicted band size:** 35 kDa



Western blot - Anti-Osteopontin antibody (ab231736)

Anti-Osteopontin antibody (ab231736) at 2 µg/ml + HeLa (Human epithelial cell line from cervix adenocarcinoma) cell lysate

**Predicted band size:** 35 kDa



Anti-Osteopontin antibody (ab231736) at 2 µg/ml + Recombinant rhesus monkey Osteopontin protein

**Predicted band size: 35 kDa**

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

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- Extensive multi-media technical resources to help you
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