




## Product datasheet

# Anti-Alkaline Phosphatase, Tissue Non-Specific antibody ab231646

[6 Images](#)

### Overview

<b>Product name</b>	Anti-Alkaline Phosphatase, Tissue Non-Specific antibody
<b>Description</b>	Rabbit polyclonal to Alkaline Phosphatase, Tissue Non-Specific
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Cow, Cat 
<b>Immunogen</b>	<p>Recombinant fragment (His-tag) corresponding to Human Alkaline Phosphatase, Tissue Non-Specific aa 18-335. (Expressed in E.coli).</p> <p>Sequence:</p> <pre> LVPEKEKDPKYWRDQAQETLKYALELQKLNTNVAKNVIMF LGDGMGVSTV TAARILKGGLEHNPGEETRLEMDKFPFVALSKTYNTNAQV PDSAGTATAY LCGVKANEGTVGVSAATERSRCNTTQGNEVTSILRWAKD AGKSVGIVTTT RVNHATPSAAYAHSADRDWYSDNEMPPEALSQGCKDIAY QLMHNIRDIDV IMGGGRKYMYPKNKTDVEYESDEKARGTRLDGLDLVDTW KSFKPRYKSH FIWNRTELLTLDPHNVDYLLGLFEPGDMQYELNRNNVTDV SLSEMVVVAIQLRKNPKGFFLLVEGGR </pre> <p>Database link: <a href="#">P05186</a></p> <p style="text-align: right;">  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a> </p>
<b>Positive control</b>	<p>WB: Recombinant human Alkaline Phosphatase, Tissue Non-Specific protein; HeLa cell lysate.</p> <p>IHC-P: Human pancreas, prostate cancer, glioma and breast cancer tissues.</p>
<b>General notes</b>	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and</p>

species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

## 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: PBS, 50% Glycerol
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab231646 was purified by antigen-specific affinity chromatography followed by Protein A affinity chromatography.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab231646** 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
IHC-P		Use a concentration of 5 - 20 µg/ml.
WB		Use a concentration of 0.5 - 5 µg/ml. Predicted molecular weight: 57 kDa.

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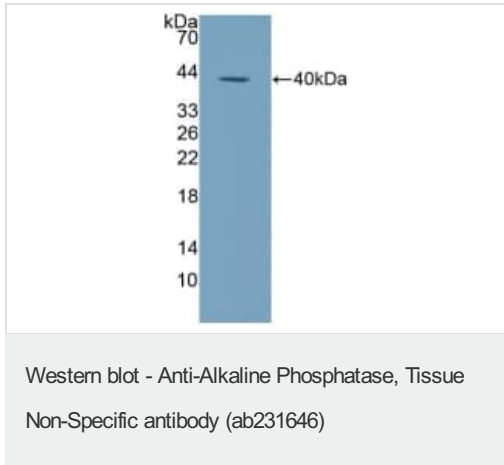
## Target

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<b>Function</b>	This isozyme may play a role in skeletal mineralization.
<b>Involvement in disease</b>	Hypophosphatasia Hypophosphatasia childhood type

	Hypophosphatasia infantile type
<b>Sequence similarities</b>	Belongs to the alkaline phosphatase family.
<b>Post-translational modifications</b>	N-glycosylated.
<b>Cellular localization</b>	Cell membrane.

## Images

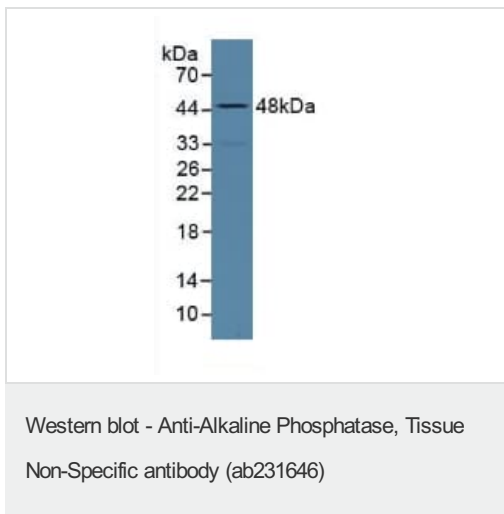


Anti-Alkaline Phosphatase, Tissue Non-Specific antibody (ab231646) at 3 µg/ml + Recombinant human Alkaline Phosphatase, Tissue Non-Specific protein

### Secondary

HRP-Linked Guinea pig anti-Rabbit at 1/2000 dilution

**Predicted band size:** 57 kDa

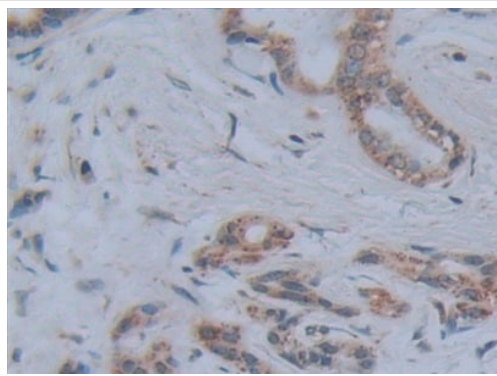


Anti-Alkaline Phosphatase, Tissue Non-Specific antibody (ab231646) at 3 µg/ml + HeLa (human epithelial cell line from cervix adenocarcinoma) cell lysate

### Secondary

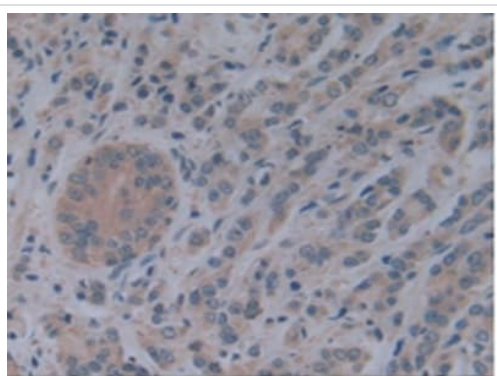
HRP-Linked Guinea pig anti-Rabbit at 1/2000 dilution

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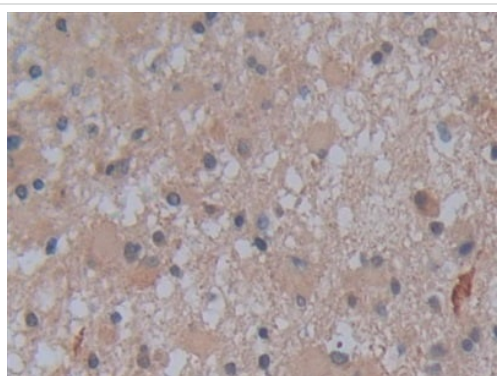
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Alkaline Phosphatase, Tissue Non-Specific antibody (ab231646)

Paraffin-embedded human pancreas cancer tissue stained for Alkaline Phosphatase, Tissue Non-Specific using ab231646 at 10 µg/ml in immunohistochemical analysis. DAB staining.



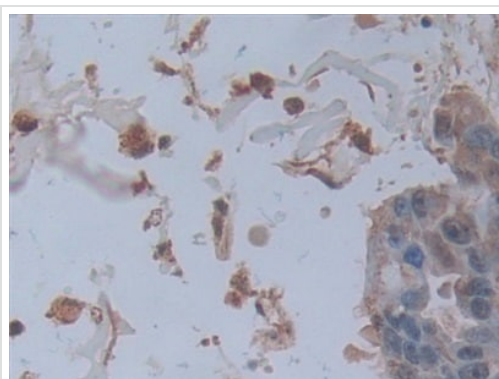
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Alkaline Phosphatase, Tissue Non-Specific antibody (ab231646)

Paraffin-embedded human prostate cancer tissue stained for Alkaline Phosphatase, Tissue Non-Specific using ab231646 at 20 µg/ml in immunohistochemical analysis. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Alkaline Phosphatase, Tissue Non-Specific antibody (ab231646)

Paraffin-embedded human glioma tissue stained for Alkaline Phosphatase, Tissue Non-Specific using ab231646 at 20 µg/ml in immunohistochemical analysis. DAB staining.



Paraffin-embedded human breast cancer tissue stained for Alkaline Phosphatase, Tissue Non-Specific using ab231646 at 20 µg/ml in immunohistochemical analysis. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Alkaline Phosphatase, Tissue Non-Specific antibody (ab231646)

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

### **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### **Terms and conditions**

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