



## Product datasheet

### Anti-HABP2 antibody ab232778

3 Images

#### Overview

<b>Product name</b>	Anti-HABP2 antibody
<b>Description</b>	Rabbit polyclonal to HABP2
<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
<b>Immunogen</b>	Recombinant full length protein (His-T7-tag) corresponding to Human HABP2 aa 1 to the C-terminus. (Expressed in E.coli). Database link: <a href="#">Q14520</a>
	 <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	IHC-P: Human rectum tissue. WB: Recombinant human HABP2 protein; Pig liver, kidney and small intestine lysates.
<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

<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: 0.011% Proclin 300 Constituents: 55.77% Glycerol (glycerin, glycerine), 44.219% PBS
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab232778 was purified by 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 ab232778 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: 63 kDa.
IHC-P		Use a concentration of 5 - 20 µg/ml.

## Target

### Function

Cleaves the alpha-chain at multiple sites and the beta-chain between 'Lys-53' and 'Lys-54' but not the gamma-chain of fibrinogen and therefore does not initiate the formation of the fibrin clot and does not cause the fibrinolysis directly. It does not cleave (activate) prothrombin and plasminogen but converts the inactive single chain urinary plasminogen activator (pro-urokinase) to the active two chain form. Activates coagulation factor VII.

### Tissue specificity

Ubiquitously expressed.

### Sequence similarities

Belongs to the peptidase S1 family.  
Contains 3 EGF-like domains.  
Contains 1 kringle domain.  
Contains 1 peptidase S1 domain.

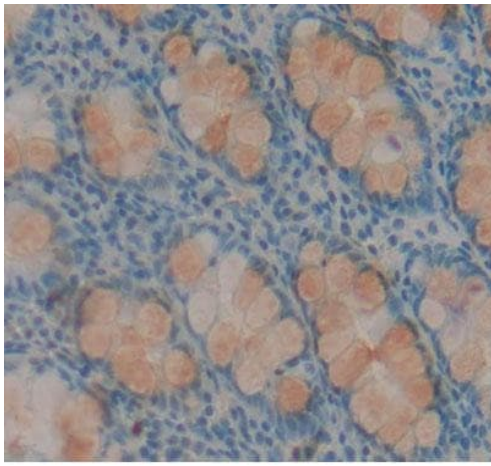
### Post-translational modifications

Proteolytic cleavage at Gly-23 or Met-27 can give rise to the 50 kDa heavy chain and cleavage at Arg-313 or Lys-319 can give rise to the 27 kDa light chain. The heavy chain can undergo further proteolytic cleavage at Lys-169 or Arg-170 to give rise to 2 inactive 26 kDa fragments and the light chain can undergo further proteolytic cleavage at Arg-480 to give rise to inactive 17 kDa and 8 kDa fragments.

### Cellular localization

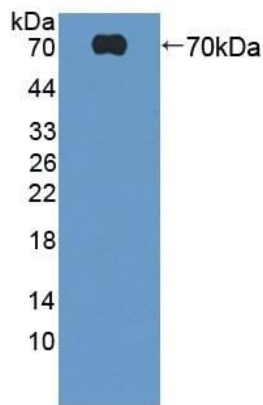
Secreted. Secreted as an inactive single-chain precursor and is then activated to a heterodimeric form.

## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HABP2 antibody (ab232778)

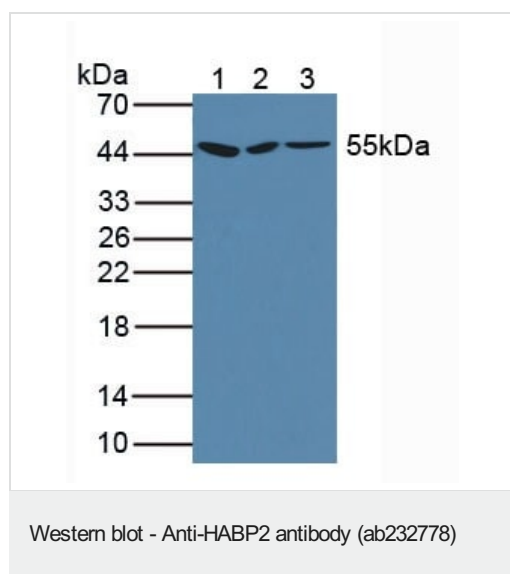
Formalin-fixed, paraffin-embedded human rectum tissue stained for HABP2 using ab232778 at 20 µg/mL in immunohistochemical analysis. DAB staining.



Western blot - Anti-HABP2 antibody (ab232778)

Anti-HABP2 antibody (ab232778) at 2 µg/ml + Recombinant human HABP2 protein.

**Predicted band size:** 63 kDa



**All lanes :** Anti-HABP2 antibody (ab232778) at 1 µg/ml

**Lane 1 :** Pig kidney tissue lysate

**Lane 2 :** Pig intestine tissue lysate

**Lane 3 :** Pig liver tissue lysate

#### **Secondary**

**All lanes :** HRP-Linked Guinea pig Anti-Rabbit at 1/1000 dilution

**Predicted band size:** 63 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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