

## Product datasheet

### Anti-SerpinB2/PAI-2 antibody ab47742

★★★★★ [1 Abreviews](#) [10 References](#) [2 Images](#)

#### Overview

<b>Product name</b>	Anti-SerpinB2/PAI-2 antibody
<b>Description</b>	Rabbit polyclonal to SerpinB2/PAI-2
<b>Host species</b>	Rabbit
<b>Specificity</b>	This antibody is specific for SerpinB2/PAI-2 (but not the shorter form).
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide corresponding to Human SerpinB2/PAI-2 (N terminal).
<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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.05% Sodium azide Constituent: 50% Glycerol
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab47742 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		
WB	★★★★★ (1)	

### Application notes

IHC-P: Use at a concentration of 1 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

WB: 1/1000 when using colorimetric substrates such as BCIP/NBT, and 1/5000 for chemiluminescent substrates. Predicted molecular weight: 46 kDa. Dilution optimised using Chromogenic detection.

Not yet tested in other applications. Optimal dilutions/concentrations should be determined by the end user.

### Target

#### Function

Inhibits urokinase-type plasminogen activator. The monocyte derived PAI-2 is distinct from the endothelial cell-derived PAI-1.

#### Sequence similarities

Belongs to the serpin family. Ov-serpin subfamily.

#### Post-translational modifications

The signal sequence is not cleaved.

#### Cellular localization

Cytoplasm. Secreted > extracellular space.

### Images

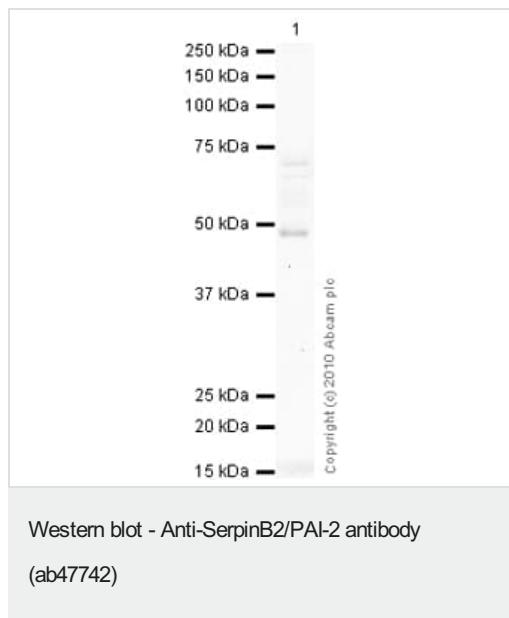


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SerpinB2/PAI-2 antibody (ab47742)

Ab47742 staining human normal temporal lobe. Staining is localized to the cytoplasm.

Left panel: with primary antibody at 1 ug/ml. Right panel: isotype control.

Sections were stained using an automated system DAKO Autostainer Plus , at room temperature. Sections were rehydrated and antigen retrieved with the Dako 3-in-1 AR buffer EDTA pH 9.0 in a DAKO PT Link. Slides were peroxidase blocked in 3% H<sub>2</sub>O<sub>2</sub> in methanol for 10 minutes. They were then blocked with Dako Protein block for 10 minutes (containing casein 0.25% in PBS), then incubated with primary antibody for 20 minutes, and detected with Dako Envision Flex amplification kit for 30 minutes. Colorimetric detection was completed with diaminobenzidine for 5 minutes. Slides were counterstained with Haematoxylin and coverslipped under DePeX. Please note that for manual staining we recommend to optimize the primary antibody concentration and incubation time (overnight incubation), and amplification may be required.



Anti-SerpinB2/PAI-2 antibody (ab47742) at 1 µg/ml + Human placenta tissue lysate - total protein (**ab29745**) at 10 µg

### Secondary

Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 46 kDa

**Observed band size:** 49 kDa

**Additional bands at:** 72 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 1 minute

SerpinB2/PAI-2 contains a number of potential glycosylation sites (SwissProt) which may explain its migration at a higher molecular weight than predicted.

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

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