abcam

Product datasheet

Anti-SerpinB2 antibody ab47742

★★★★★ 1 Abreviews 3 References 2 Images

Overview

Product name	Anti-SerpinB2 antibody
Description	Rabbit polyclonal to SerpinB2
Host species	Rabbit
Specificity	This antibody is specific for SerpinB2 (but not the shorter form).
Tested applications	**Suitable for:** IHC-P, WB
Species reactivity	**Reacts with:** Human
Immunogen	A synthetic peptide based on the aminoterminal end of mature human SerpinB2

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.05% Sodium Azide Constituents: 50% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

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	★★★★★	

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

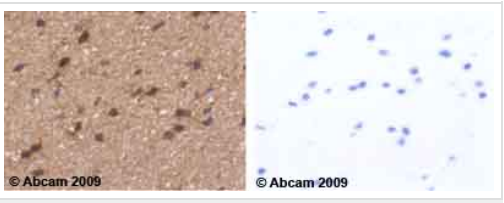
chemiluminescent substrates. Predicted molecular weight: 46 kDa. Dilution optimised using Chromogenic detection.

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 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% H2O2 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.

Western blot - Anti-SerpinB2 antibody (ab47742)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- 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 http://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors