

Product datasheet

Anti-SerpinB2/PAI-2 antibody [EPR22924-56] ab267463

Recombinant RabMAb

4 Images

Overview

Product name	Anti-SerpinB2/PAI-2 antibody [EPR22924-56]
Description	Rabbit monoclonal [EPR22924-56] to SerpinB2/PAI-2
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt, ICC/IF or IP
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: U-937 and A431 whole cell lysate; Human placenta lysate. IHC-P: Human skin and tonsil tissue.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR22924-56

Isotype

IgG

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab267463 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		1/1000. Detects a band of approximately 47 kDa (predicted molecular weight: 47 kDa).
IHC-P		1/4000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Application notes

Is unsuitable for Flow Cyt, ICC/IF or IP.

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.

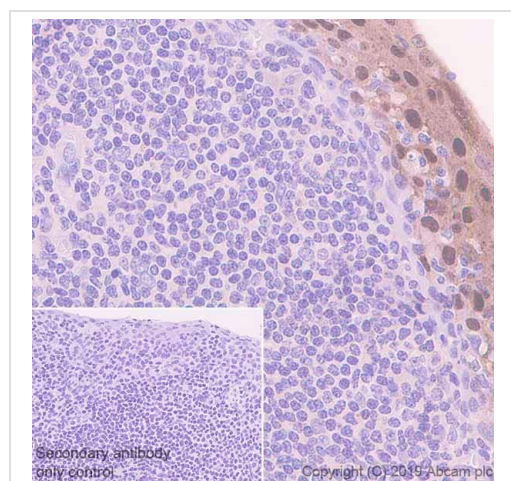
Post-translational modifications

The signal sequence is not cleaved.

Cellular localization

Cytoplasm. Secreted > extracellular space.

Images

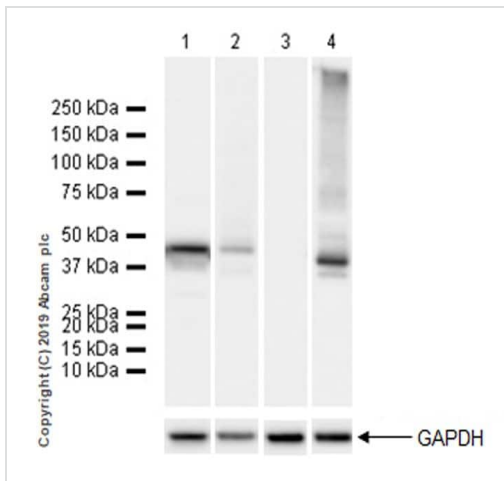


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SerpinB2/PAI-2 antibody [EPR22924-56] (ab267463)

Immunohistochemical analysis of paraffin-embedded human tonsil tissue labeling SerpinB2/PAI-2 with ab267463 at 1/4000 dilution (0.121 µg/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)). Positive staining on human tonsil. The section was incubated with ab267463 for 15 mins at room temperature. The immunostaining staining was performed on a Leica Biosystems BOND[®]RX instrument. Counterstained with hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)).

Heat mediated antigen retrieval with citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins.



Western blot - Anti-SerpinB2/PAI-2 antibody
[EPR22924-56] (ab267463)

All lanes : Anti-SerpinB2/PAI-2 antibody [EPR22924-56]
(ab267463) at 1/1000 dilution

Lane 1 : U-937 (human histiocytic lymphoma monocyte) whole cell lysate

Lane 2 : A431 (human epidermoid carcinoma epithelial cell) whole cell lysate

Lane 3 : HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysate

Lane 4 : Human placenta lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Predicted band size: 47 kDa

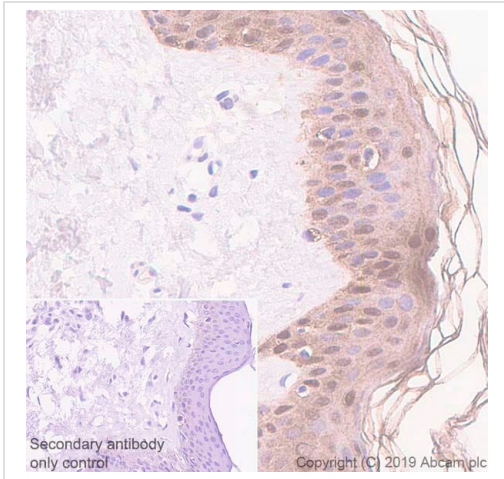
Observed band size: 47 kDa

Blocking and dilution buffer: 5% NFDM/TBST.

Exposure times: Lanes 1-3: 8 seconds; Lane 4: 10 seconds.

The molecular weight observed is consistent with what has been described in the literature (PMID: 28427146).

Negative on HeLa: (PMID: 22334683, 12944478).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SerpinB2/PAI-2 antibody [EPR22924-56] (ab267463)

Immunohistochemical analysis of paraffin-embedded human skin tissue labeling SerpinB2/PAI-2 with ab267463 at 1/4000 dilution (0.121 µg/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101). Positive staining on human skin. The section was incubated with ab267463 for 15 mins at room temperature. The immunostaining staining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with ematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

Heat mediated antigen retrieval with citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

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

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