

Datasheet for ABIN3043329
anti-SERPINB2 antibody (AA 1-180)



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2 Images

Overview

Quantity:	100 µg
Target:	SERPINB2
Binding Specificity:	AA 1-180
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SERPINB2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-SerpinB2 Antibody Picoband®
Immunogen:	E.coli-derived human SerpinB2 recombinant protein (Position: M1-K180). Human SerpinB2 shares 70% and 66% amino acid (aa) sequence identity with mouse and rat SerpinB2, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SerpinB2 Antibody Picoband® (ABIN3043329). Tested in IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: SERPINB2

Alternative Name: SERPINB2 ([SERPINB2 Products](#))

Target Type: Amino Acid

Background: Synonyms: Plasminogen activator inhibitor 2,PAI-2,Monocyte Arg-serpin,Placental plasminogen activator inhibitor,Serpin B2,Urokinase inhibitor,SERPINB2,PAI2, PLANH2,

Tissue Specificity: Plasma. .

Background: SERPINB2 is also known as PAI or PAI2. Plasminogen activator inhibitor-2 (placental PAI) is a coagulation factor that inactivates tPA and urokinase. It is present in most cells, especially monocytes/macrophages. PAI-2 exists in two forms, a 60- kDa extracellular glycosylated form and a 43- kDa intracellular form. It is present only at detectable quantities in blood during pregnancy, as it is produced by the placenta, and may explain partially the increased rate of thrombosis during pregnancy. The majority of expressed PAI-2 remains unsecreted due to the presence of an inefficient internal signal peptide.

Sequence Similarities: Belongs to the semaphorin family.

Molecular Weight: 47 kDa

Gene ID: 5055

UniProt: [P05120](#)

Pathways: [Autophagy](#)

Application Details

Application Notes: Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human
Western blot, 0.1-0.5 µg/mL, Human

1. Corsetti JP, et al. Plasminogen activator inhibitor-2 polymorphism associates with recurrent coronary event risk in patients with high HDL and C-reactive protein levels. PLoS One, 2013. 2.
2. Huang Z, et al. SERPINB2 down-regulation contributes to chemoresistance in head and neck cancer. Mol Carcinog, 2014 Oct. 3.
3. Jin Y, et al. Expression of plasminogen activator inhibitor-2 is negatively associated with invasive potential in hepatocellular carcinoma cells. Chin Med Sci J, 2013 Mar. 4.
4. Zhou L, et al. Low expression of PAI-2 as a novel marker of portal vein tumor thrombosis and poor prognosis in hepatocellular carcinoma. World J Surg, 2013 Mar.

Application Details

Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

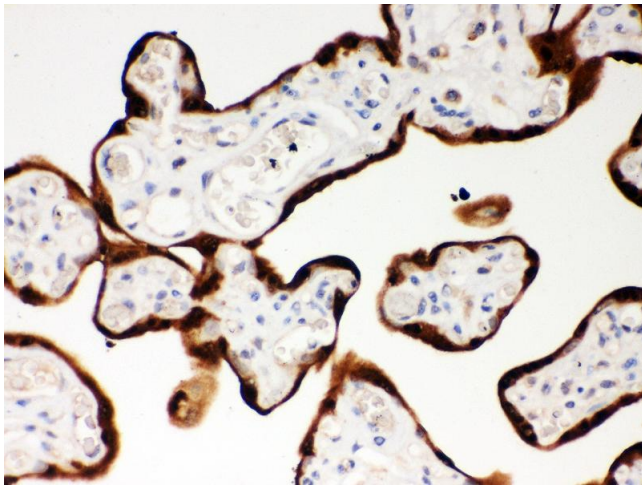
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Images



Western Blotting

Image 1.



Immunohistochemistry

Image 2. Anti- SerpinB2 Picoband antibody,IHC(P) IHC(P):
Human Placenta Tissue