

**Anti-SerpinB2 Picoband Antibody**  
Catalog # ABO12046

**Specification**

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**Anti-SerpinB2 Picoband Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P05120</a>
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Plasminogen activator inhibitor 2(SERPINB2) detection. Tested with WB, IHC-P in Human.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-SerpinB2 Picoband Antibody - Additional Information**

**Gene ID** 5055

**Other Names**

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

**Calculated MW**

46596 MW KDa

**Application Details**

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat<br>Western blot, 0.1-0.5 µg/ml, Human<br>

**Subcellular Localization**

Cytoplasm. Secreted, extracellular space.

**Protein Name**

Plasminogen activator inhibitor 2

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>N.

**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.

**Purification**

Immunogen affinity purified.

### Cross Reactivity

No cross reactivity with other proteins.

### Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

## Anti-SerpinB2 Picoband Antibody - Protein Information

**Name** SERPINB2

**Synonyms** PAI2, PLANH2

### Function

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

### Cellular Location

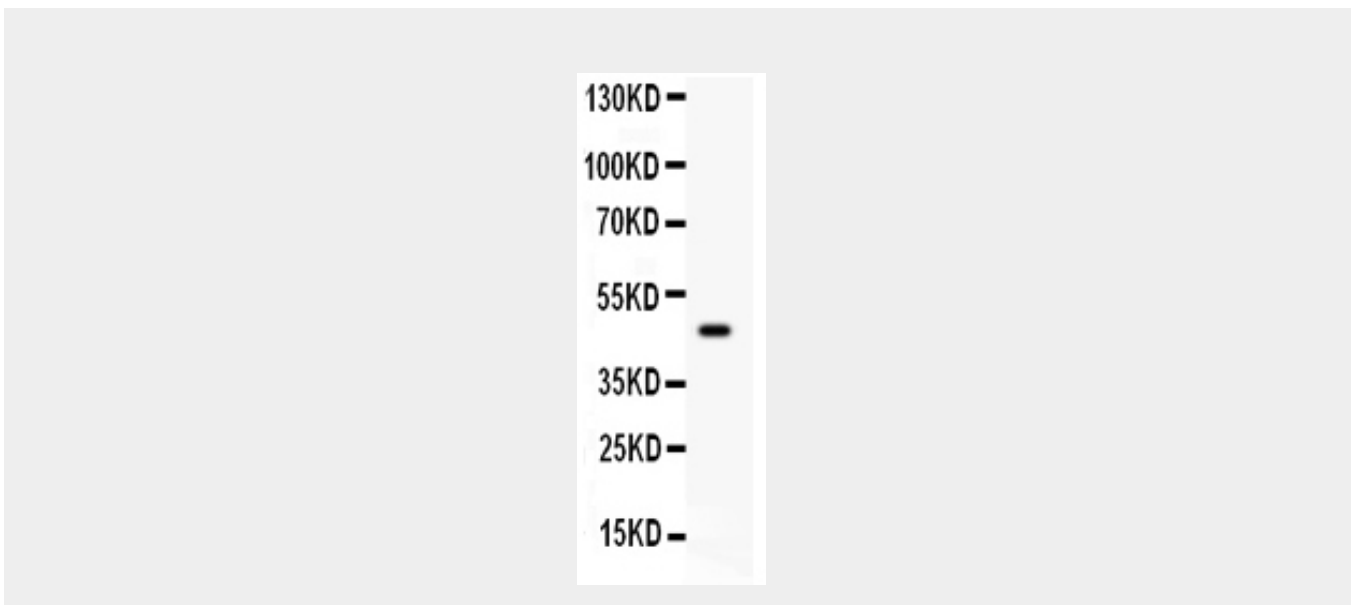
Cytoplasm. Secreted, extracellular space.

## Anti-SerpinB2 Picoband Antibody - Protocols

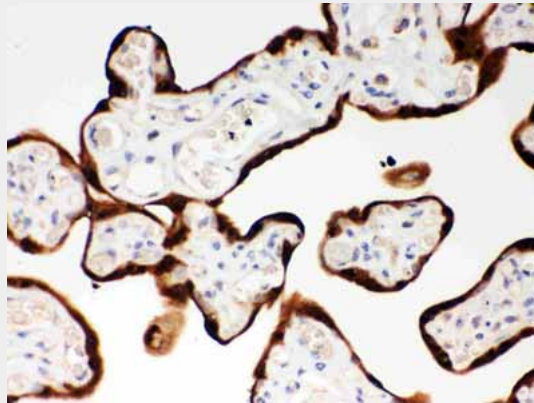
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-SerpinB2 Picoband Antibody - Images



Anti- SerpinB2 Picoband antibody, ABO12046, Western blotting All lanes: Anti SerpinB2 (ABO12046) at 0.5ug/ml WB: Human Placenta Tissue Lysate at 50ug Predicted bind size: 47KD Observed bind size: 47KD



Anti- SerpinB2 Picoband antibody, ABO12046, IHC(P) IHC(P): Human Placenta Tissue

### **Anti-SerpinB2 Picoband Antibody - 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.