

# Anti-SerpinB2 Picoband Antibody

Catalog # ABO12046

## Product Information

---

|                          |                                                                                                                           |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC-P                                                                                                                 |
| <b>Primary Accession</b> | <a href="#">P05120</a>                                                                                                    |
| <b>Host</b>              | Rabbit                                                                                                                    |
| <b>Reactivity</b>        | Human                                                                                                                     |
| <b>Clonality</b>         | Polyclonal                                                                                                                |
| <b>Format</b>            | Lyophilized                                                                                                               |
| <b>Description</b>       | Rabbit IgG polyclonal antibody for Plasminogen activator inhibitor 2(SERPINB2) detection. Tested with WB, IHC-P in Human. |
| <b>Reconstitution</b>    | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                                      |

## Additional Information

---

|                                 |                                                                                                                                                                                       |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                  | 5055                                                                                                                                                                                  |
| <b>Other Names</b>              | Plasminogen activator inhibitor 2, PAI-2, Monocyte Arg-serpin, Placental plasminogen activator inhibitor, Serpin B2, Urokinase inhibitor, SERPINB2, PAI2, PLANH2                      |
| <b>Calculated MW</b>            | 46596                                                                                                                                                                                 |
| <b>Application Details</b>      | Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat<br>Western blot, 0.1-0.5 µg/ml, Human                                                                    |
| <b>Subcellular Localization</b> | Cytoplasm. Secreted, extracellular space.                                                                                                                                             |
| <b>Source</b>                   | Eukaryota                                                                                                                                                                             |
| <b>Protein Name</b>             | Plasminogen activator inhibitor 2                                                                                                                                                     |
| <b>Contents</b>                 | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.                                                                                                                   |
| <b>Immunogen</b>                | 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. |
| <b>Purification</b>             | Immunogen affinity purified.                                                                                                                                                          |
| <b>Cross Reactivity</b>         | No cross reactivity with other proteins.                                                                                                                                              |
| <b>Storage</b>                  | At -20° C for one year. After r° Constitution, 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.

## Protein Information

|                          |                                                                                                                                |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | SERPINB2                                                                                                                       |
| <b>Synonyms</b>          | PAI2, PLANH2                                                                                                                   |
| <b>Function</b>          | Inhibits urokinase-type plasminogen activator. The monocyte derived PAI-2 is distinct from the endothelial cell-derived PAI-1. |
| <b>Cellular Location</b> | Cytoplasm. Secreted, extracellular space.                                                                                      |

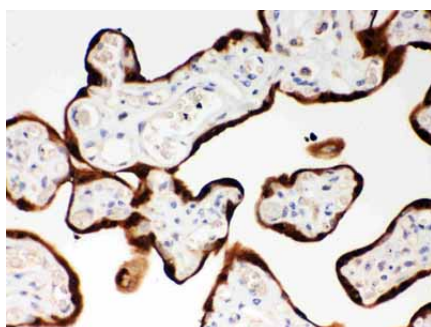
## Background

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.

## 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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.