10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-SerpinB2 Picoband Antibody

Catalog # ABO12046

Specification

Anti-SerpinB2 Picoband Antibody - Product Information

Application	**WB, IHC**
Primary Accession	P05120
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
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization
Cytoplasm. Secreted, extracellular space.

Protein Name
Plasminogen activator inhibitor 2

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

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.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Cross Reactivity
No cross reactivity with other proteins.

Storage	**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.**

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.

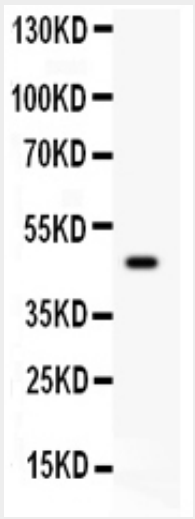
Cellular Location
Cytoplasm. Secreted, extracellular space.

Anti-SerpinB2 Picoband Antibody - Protocols

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

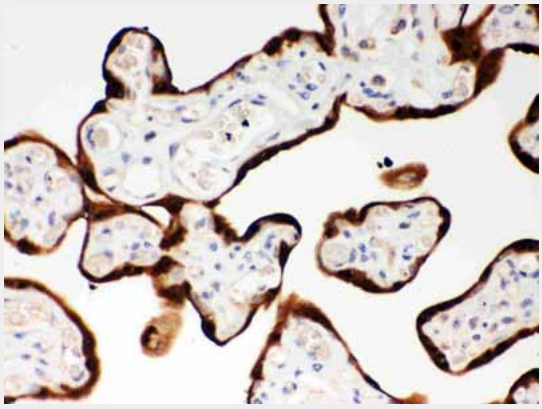
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-SerpinB2 Picoband Antibody - Images



10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti- SerpinB2 Picoband antibody, ABO12046, Western blottingAll lanes: Anti SerpinB2 (ABO12046) at 0.5ug/mlWB: Human Placenta Tissue Lysate at 50ugPredicted bind size: 47KDObserved 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 acoagulation 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 thrombosisduring pregnancy. The majority of expressed PAI-2 remains unsecreted due to the presence of an inefficient internal signal peptide.