

**Anti-TAFI/CPB2 Picoband Antibody**  
**Catalog # ABO12682****Specification****Anti-TAFI/CPB2 Picoband Antibody - Product Information**

Application	WB, IHC-P, E
Primary Accession	<a href="#">Q96IY4</a>
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Carboxypeptidase B2(CPB2) detection. Tested with WB, IHC-P, ELISA in Human.

**Reconstitution**

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

**Anti-TAFI/CPB2 Picoband Antibody - Additional Information****Gene ID 1361****Other Names**

Carboxypeptidase B2, 3.4.17.20, Carboxypeptidase U, CPU, Plasma carboxypeptidase B, pCPB, Thrombin-activatable fibrinolysis inhibitor, TAFI, CPB2

**Calculated MW**

48424 MW KDa

**Application Details**

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

**Subcellular Localization**

Secreted.

**Tissue Specificity**

Plasma; synthesized in the liver.

**Protein Name**

Carboxypeptidase B2

**Contents**

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

**Immunogen**

E. coli-derived human CPB2 recombinant protein (Position: K166-D388). Human CPB2 shares 86.1% and 85.7% amino acid (aa) sequence identity with mouse and rat CPB2, respectively.

**Purification**

Immunogen affinity purified.

**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-TAFI/CPB2 Picoband Antibody - Protein Information****Name** CPB2**Function**

Cleaves C-terminal arginine or lysine residues from biologically active peptides such as kinins or anaphylatoxins in the circulation thereby regulating their activities. Down-regulates fibrinolysis by removing C-terminal lysine residues from fibrin that has already been partially degraded by plasmin.

**Cellular Location**

Secreted.

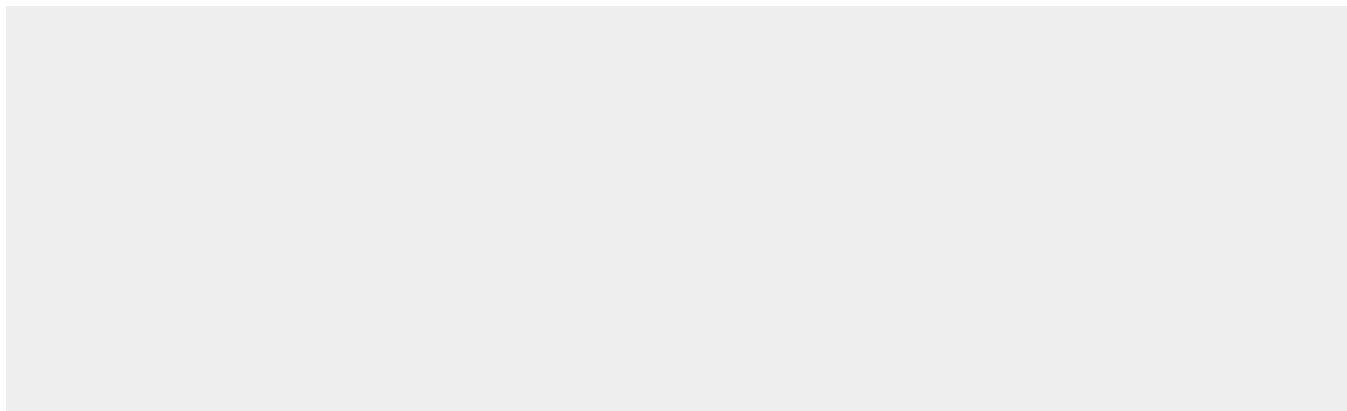
**Tissue Location**

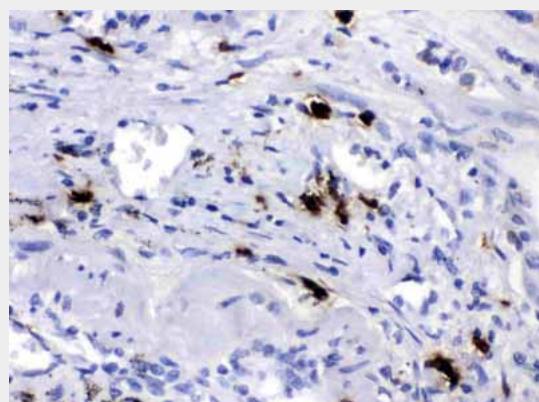
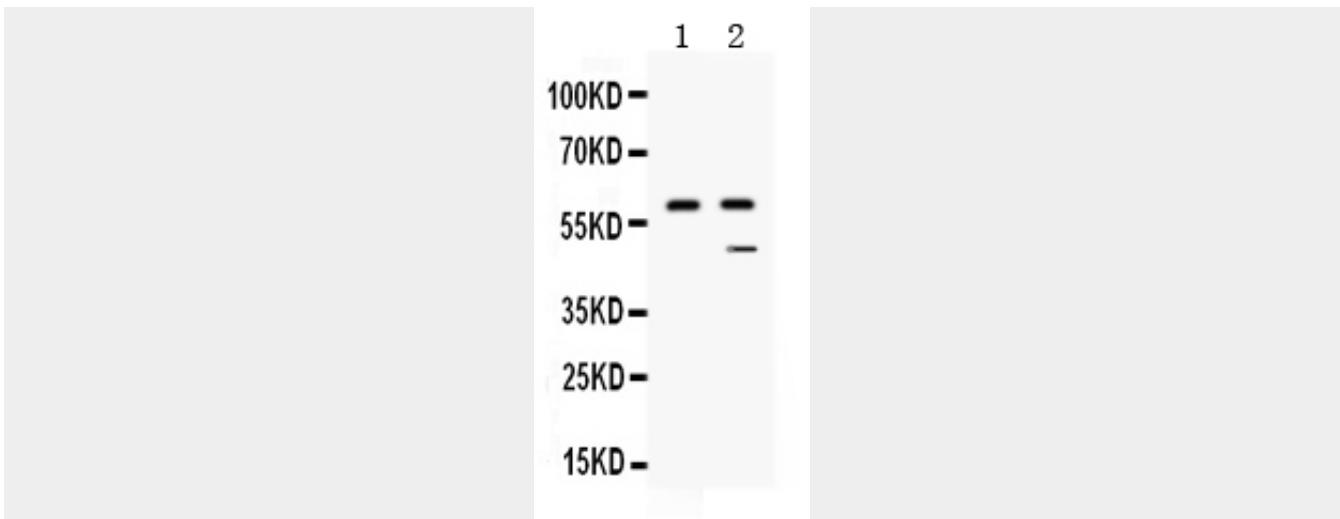
Plasma; synthesized in the liver.

**Anti-TAFI/CPB2 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-TAFI/CPB2 Picoband Antibody - Images**



CPB2 was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti-CPB2 Antigen Affinity purified polyclonal antibody (Catalog # ABO12682) at 1  $\mu$ g/mL. The immunohistochemical section was developed using SABC method .

#### **Anti-TAFI/CPB2 Picoband Antibody - Background**

Carboxypeptidase B2 (CPB2), also known as carboxypeptidase U (CPU), plasma carboxypeptidase B (pCPB) or thrombin-activatable fibrinolysis inhibitor (TAFI), is an enzyme that, in humans, is encoded by the gene CPB2. CPB2 is synthesized by the liver and circulates in the plasma as a plasminogen-bound zymogen. When it is activated by proteolysis at residue Arg92 by the thrombin/thrombomodulin complex, CPB2 exhibits carboxypeptidase activity. Activated CPB2 reduces fibrinolysis by removing the fibrin C-terminal residues that are important for the binding and activation of plasminogen.