

**Anti-EPCR Picoband Antibody**  
Catalog # ABO12566

**Specification**

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**Anti-EPCR Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O9UNN8</a>
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Endothelial protein C receptor(PROCR) detection. Tested with WB, ELISA in Human.

**Reconstitution**

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

**Anti-EPCR Picoband Antibody - Additional Information**

**Gene ID** 10544

**Other Names**

Endothelial protein C receptor, Activated protein C receptor, APC receptor, Endothelial cell protein C receptor, CD201, PROCR, EPCR

**Calculated MW**

26671 MW KDa

**Application Details**

ELISA , 0.1-0.5 µg/ml, Human, -<br>Western blot, 0.1-0.5 µg/ml, Human<br>

**Subcellular Localization**

Membrane; Single-pass type I membrane protein.

**Tissue Specificity**

Expressed strongly in the endothelial cells of arteries and veins in heart and lung, less intensely in capillaries in the lung and skin, and not at all in the endothelium of small vessels of the liver and kidney.

**Protein Name**

Endothelial protein C receptor

**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 EPCR/CD201 recombinant protein (Position: S18-S210). Human EPCR/CD201 shares 65.5% and 65.6% amino acid (aa) sequence identity with mouse and rat EPCR/CD201,

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-EPCR Picoband Antibody - Protein Information**

**Name** PROCR

**Synonyms** EPCR

#### **Function**

Binds activated protein C. Enhances protein C activation by the thrombin-thrombomodulin complex; plays a role in the protein C pathway controlling blood coagulation.

#### **Cellular Location**

Membrane; Single-pass type I membrane protein.

#### **Tissue Location**

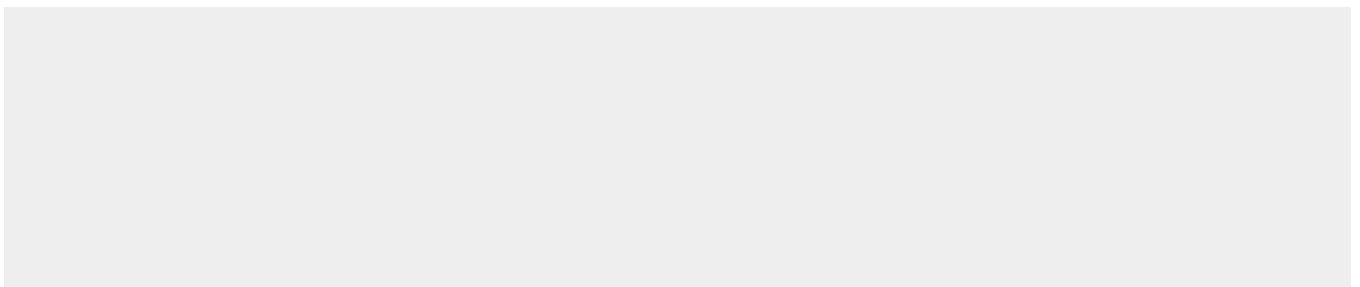
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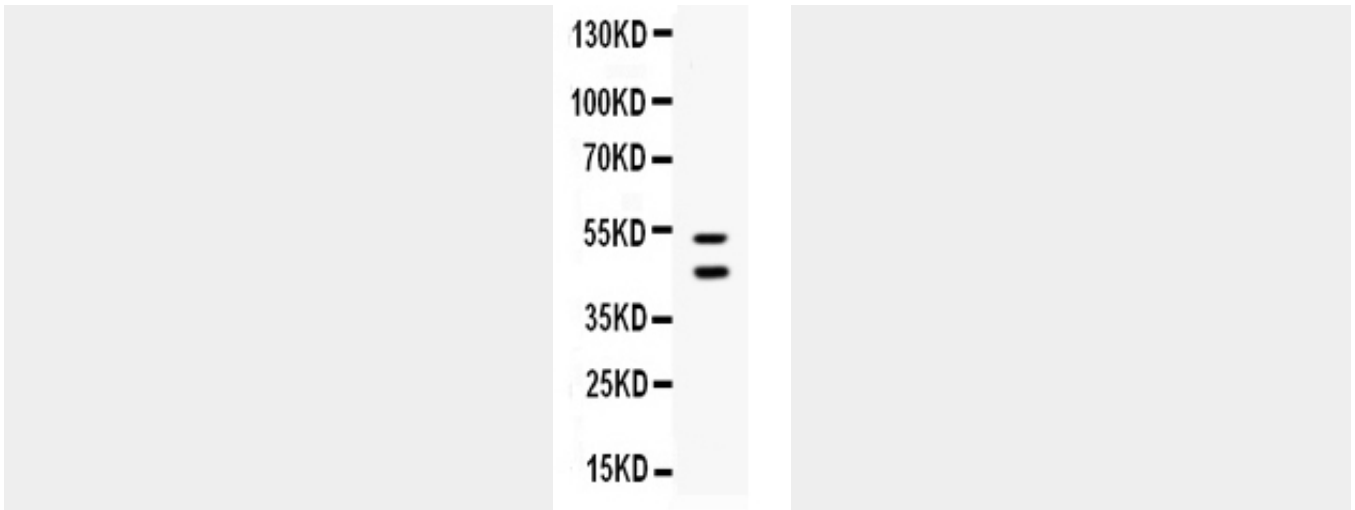
### **Anti-EPCR Picoband Antibody - Protocols**

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-EPCR Picoband Antibody - Images**





Western blot analysis of EPCR/CD201 expression in A549 whole cell lysates (lane 1). EPCR/CD201 at 46KD, 52KD was detected using rabbit anti- EPCR/CD201 Antigen Affinity purified polyclonal antibody (Catalog # ABO12566) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

#### **Anti-EPCR Picoband Antibody - Background**

Endothelial protein C receptor (EPCR), also known as activated protein C receptor (APC receptor), is a protein that in humans is encoded by the PROCRCR gene. It has also recently been designated CD201 (cluster of differentiation 201). The protein encoded by this gene is a receptor for activated protein C, a serine protease activated by and involved in the blood coagulation pathway. And it is an N-glycosylated type I membrane protein that enhances the activation of protein C. Mutations in this gene have been associated with venous thromboembolism and myocardial infarction, as well as with late fetal loss during pregnancy. The encoded protein may also play a role in malarial infection and has been associated with cancer.