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Tel: 858.875.1900 Fax: 858.875.1999

Anti-EPCR Picoband Antibody

Catalog # ABO12566

Specification

Anti-EPCR Picoband Antibody - Product Information

Application	**WB, E**
Primary Accession	Q9UNN8
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, -
Western blot, 0.1-0.5 µg/ml, Human

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 Na2HPO4, 0.05mg NaN3.

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 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-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
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

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 Cytomety
- Cell Culture

Anti-EPCR Picoband Antibody - Images

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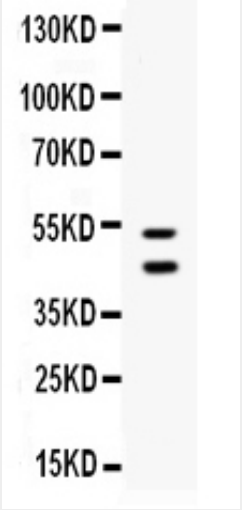

Western blot analysis of EPCR/CD201 expression in A549 whole cell lysates (lane 1). EPCR/CD201 at 46KD, 52KD was detected using rabbit anti- EPCR/CD201 Antigen Affinity purified polyclonal antibody (Catalog # ABO12566) at0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method .

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 PROCR 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.