



## Product datasheet

# Anti-EPCR/CD201 antibody [OTI12H5] ab236517

8 Images

### Overview

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<b>Product name</b>	Anti-EPCR/CD201 antibody [OTI12H5]
<b>Description</b>	Mouse monoclonal [OTI12H5] to EPCR/CD201
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment corresponding to Human EPCR/CD201 aa 1 to the C-terminus. Produced in HEK-293T cells (NP_006395). Database link: <a href="#">Q9UNN8</a>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	WB: pCMV6-ENTRY EPCR/CD201 cDNA transfected HEK-293T cell lysate. IHC-P: Human breast, colon, colon adenocarcinoma, lung, endometrium, prostate and bladder tissues.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: PBS, 1% BSA, 50% Glycerol
<b>Purity</b>	Affinity purified
<b>Purification notes</b>	Purified from cell culture supernatant.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	OTI12H5

Isotype

IgG2b

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab236517 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000. Predicted molecular weight: 27 kDa.
IHC-P		1/150. Heat-induced epitope retrieval by 1 mM EDTA in 10 mM Tris buffer (pH 8.5) at 120°C for 3 minutes

## Target

### 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.

### 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.

### Post-translational modifications

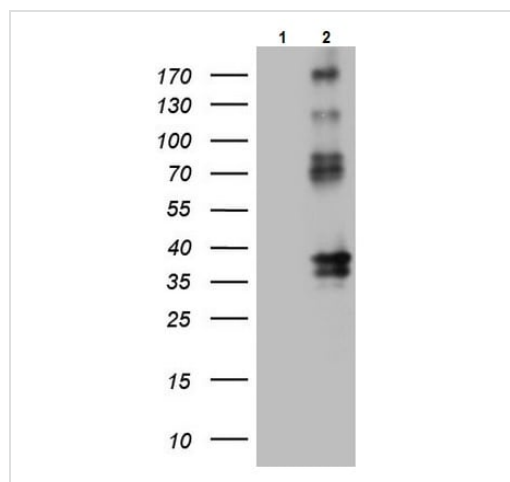
N-glycosylated.

A soluble form exists; probably released by a metalloprotease. Seems to have the same activity as the membrane-bound form.

### Cellular localization

Membrane.

## Images



Western blot - Anti-EPCR/CD201 antibody [OT112H5] (ab236517)

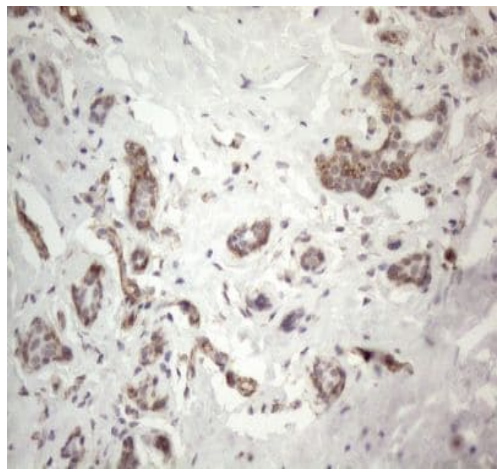
**All lanes** : Anti-EPCR/CD201 antibody [OT112H5] (ab236517) at 1/2000 dilution

**Lane 1** : pCMV6-ENTRY control cDNA transfected HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) cell lysate

**Lane 2** : pCMV6-ENTRY EPCR/CD201 cDNA transfected HEK-293T cell lysate

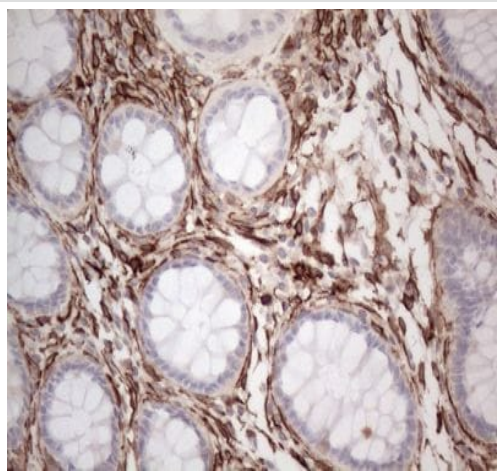
Lysates/proteins at 5 µg per lane.

**Predicted band size:** 27 kDa



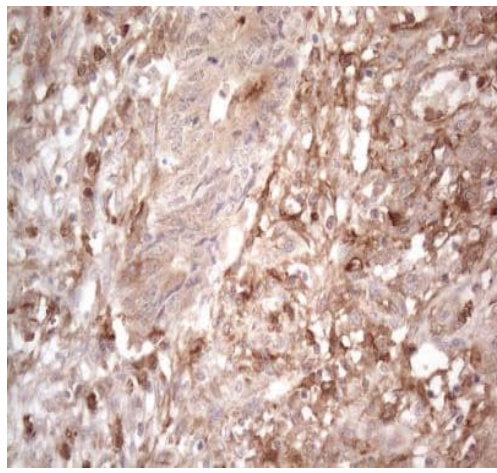
Paraffin-embedded human breast tissue stained for EPCR/CD201 using ab236517 at 1/150 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EPCR/CD201 antibody [OT112H5] (ab236517)



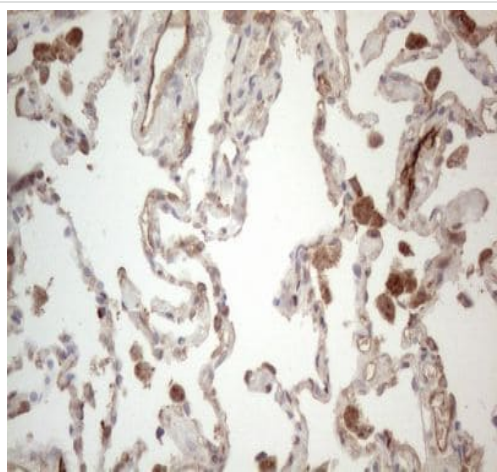
Paraffin-embedded human colon tissue stained for EPCR/CD201 using ab236517 at 1/150 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EPCR/CD201 antibody [OT112H5] (ab236517)



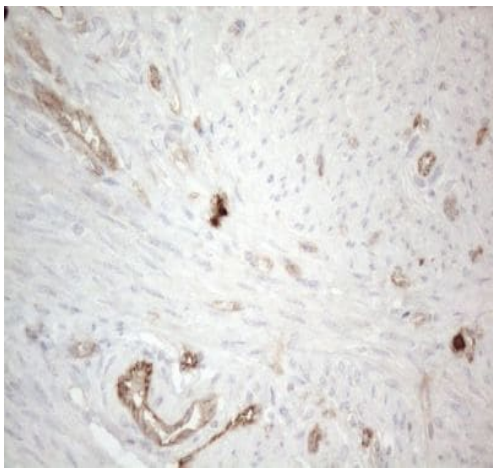
Paraffin-embedded human colon adenocarcinoma tissue stained for EPCR/CD201 using ab236517 at 1/150 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EPCR/CD201 antibody [OT112H5] (ab236517)



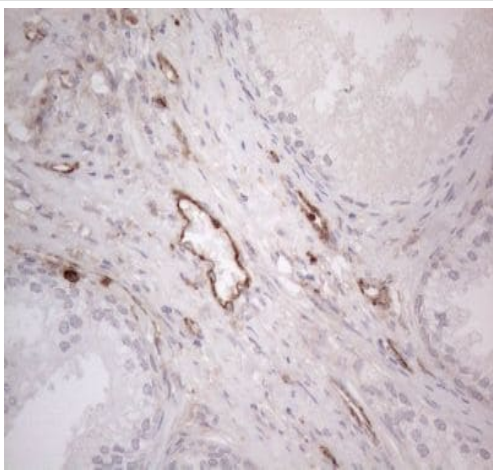
Paraffin-embedded human lung tissue stained for EPCR/CD201 using ab236517 at 1/150 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EPCR/CD201 antibody [OT112H5] (ab236517)



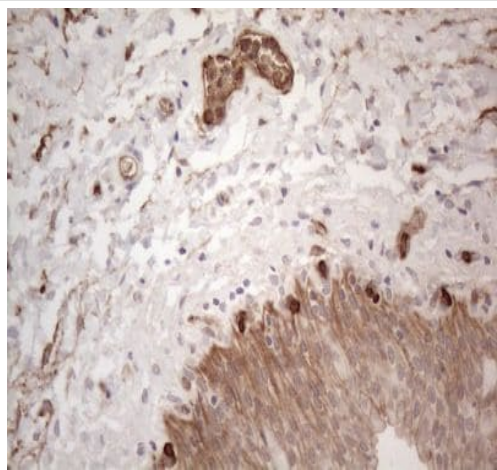
Paraffin-embedded human endometrium tissue stained for EPCR/CD201 using ab236517 at 1/150 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EPCR/CD201 antibody [OT12H5] (ab236517)



Paraffin-embedded human prostate tissue stained for EPCR/CD201 using ab236517 at 1/150 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EPCR/CD201 antibody [OT12H5] (ab236517)



Paraffin-embedded human bladder tissue stained for EPCR/CD201 using ab236517 at 1/150 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EPCR/CD201 antibody [OT12H5] (ab236517)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Extensive multi-media technical resources to help you
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