

Rabbit anti-Human EPCR Monoclonal Antibody | anti-PROCR antibody

Recombinant Anti-EPCR Antibody, Rabbit Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255667	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

EPCR; Monoclonal Antibody; Recombinant Anti-EPCR Antibody; Rabbit Monoclonal; Epcr/PROCR Antibody; Rabbit MAb; protein C receptor; endothelial; Anti-CCCA Antibody; Anti-CCD41 Antibody; Anti-EPCR Antibody; anti-PROCR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	041
Specificity	Human Epcr/PROCR. No cross-reactivity in ELISA with Mouse PROCR
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PROCR antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human Epcr/PROCR protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human Epcr/PROCR (rh Epcr/PROCR).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of PROCR in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Y PROCR monoclonal antibody (dilution ratio 1:60) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Cytoplasm and cell membrane.



IHC (Immunohistochemistry)

Immunochemical staining of human PROCR in human kidney with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of human PROCr in human liver with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-PROCcr antibody	Endothelial protein C receptor (EPCR), also known as activated protein C receptor (APC receptor) or PROCcr, is a receptor for Protein C. Protein C plays an important role in many metabolism processes in humans and other animals after activated by binding to Endothelial protein C receptor (EPCR). Because of the EPCR is found primarily on endothelial cells (cells on the inside of blood vessels), activated protein C is found mainly near endothelial cells. Protein C is pleiotropic, with two main functions: anticoagulation and cytoprotection. Which function will be performed depending on whether or not protein C remains bind to EPCR after activated. The anticoagulation occurs when it does not. In this case, protein C functions as an anticoagulant by irreversibly proteolytically inactivating Factor Va and Factor VIIIa, turning them into Factor Vi and Factor VIIIi respectively. When still bound to EPCR, activated protein C performs its cytoprotective effects, acting on the effector substrate PAR-1, protease-activated receptor-1. To a degree, APC's anticoagulant properties are independent of its cytoprotective ones, in that expression of one pathway is not affected by the existence of the other.
Product Categories/Family for anti-PROCcr antibody	Serine Proteases and Regulators
References	Nicolaes GA, et al. (2003). Congenital and acquired activated protein C resistance. Semin Vasc Med. 3 (1): 33-46.Esmon CT. (2003). The protein C pathway. Chest 124 (3): 26-32.Mosnier LO, et al. (2007)The cytoprotective protein C pathway. Blood. 109: 3161-72.

NCBI AND UNIPROT INFORMATION

NCBI GI #	48146013
UniProt Accession #	Q9UNN8; Q14218; Q6IB56; Q96CB3; Q9ULX1; B2RC04
Molecular Weight	26,671 Da
NCBI Official Full Name	PROCcr
UniProt Protein Name	Endothelial protein C receptor
UniProt Gene Name	PROCcr
UniProt Synonym Gene Names	EPCR; APC receptor
UniProt Entry Name	EPCR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/epcr-antibody-clone-041-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/255667>