RecomAb™

PROC recombinant monoclonal antibody, clone R06-9G8

Catalog # RAB06431 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PROC.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against protein corresponding to full length human PROC.
Theoretical MW (kDa)	Calculated MW: 52 kD
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end use.
Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot

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Gene Info — PROC

Entrez GeneID	5624
Protein Accession#	P04070
Gene Name	PROC
Gene Alias	PC, PROC1
Gene Description	protein C (inactivator of coagulation factors Va and VIIIa)
Omim ID	176860
Gene Ontology	Hyperlink
Gene Summary	The PROC gene encodes protein C (EC 3.4.21.69), a vitamin K-dependent plasma glycoprotein t hat is a key component of the anticoagulant system. Protein C is cleaved to its activated form, 'act ivated protein C' (APC) on endothelial cells by the thrombin-thrombomodulin complex (MIM 17693 0; MIM 188040) and then acts as a serine protease to degrade the activated forms of coagulation factors V (F5; MIM 612309) and VIII (F8; see MIM 306700). Protein S (PROS1; MIM 176880), als o a vitamin K-dependent plasma protein, functions as a cofactor to activated protein C.[supplied by OMIM
Other Designations	-

Pathway

- Complement and coagulation cascades

Disease

- Acute Disease
- Cadaver
- Cardiovascular Diseases
- Chorioamnionitis
- Coronary Artery Disease
- Coronary Disease
- Diabetes Mellitus

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- Edema
- Fetal Membranes
- Genetic Predisposition to Disease
- Inflammation
- Kidney Failure
- Meningococcal Infections
- Multiple Organ Failure
- Obstetric Labor
- Postoperative Complications
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Protein C Deficiency
- Sepsis
- Stroke
- Thrombophilia
- Thrombosis
- Vascular Diseases
- Venous Thrombosis

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