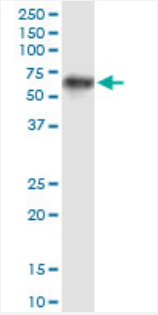
PROC monoclonal antibody (M01), clone 3A10

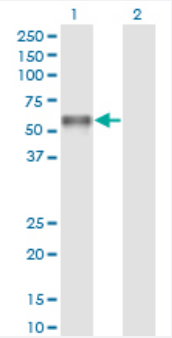
Catalog # H00005624-M01 Size 100 ug

Applications



Western Blot (Tissue lysate)

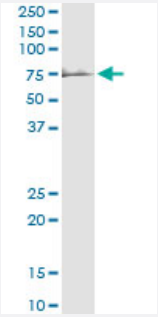
PROC monoclonal antibody (M01), clone 3A10. Western Blot analysis of PROC expression in human liver.



Western Blot (Transfected lysate)

Western Blot analysis of PROC expression in transfected 293T cell line by PROC monoclonal antibody (M01), clone 3A10.

Lane 1: PROC transfected lysate (Predicted MW: 52.1 KDa).
Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of PROC transfected lysate using anti-PROC monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PROC MaxPab rabbit polyclonal antibody.

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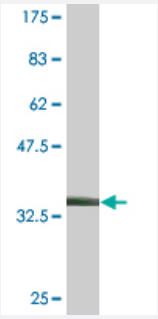

Western Blot detection against Immunogen (36.41 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PROC.
Immunogen	PROC (AAH34377, 32 a.a. ~ 131 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	RAHQVLRIRKRANSFLEELRHSSLERECIEEICDFEEAKEIFQNVDDTLAFWSKHVDGDQCLVLPL EHPCASLCCGHGTCIDGIGSFSCDCRSGWEGRFC
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.41 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

  PROC monoclonal antibody (M01), clone 3A10. Western Blot analysis of PROC expression in human liver.

  Protocol Download

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- Western Blot (Transfected lysate)

  Western Blot analysis of PROC expression in transfected 293T cell line by PROC monoclonal antibody (M01), clone 3A10.

  Lane 1: PROC transfected lysate (Predicted MW: 52.1 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- Immunoprecipitation

  Immunoprecipitation of PROC transfected lysate using anti-PROC monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PROC MaxPab rabbit polyclonal antibody.

  Protocol Download

- ELISA

Gene Info — PROC

Entrez GeneID	5624
GeneBank Accession#	BC034377
Protein Accession#	AAH34377
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	-

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Pathway

- Complement and coagulation cascades

Disease

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

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- Sepsis
- Stroke
- Thrombophilia
- Thrombosis
- Vascular Diseases
- Venous Thrombosis

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