

Datasheet for ABIN2856203

anti-PROC antibody

3 Images

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Overview

Quantity:	100 µL
Target:	PROC
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PROC antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Protein C. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to Protein C (vitamin K-dependent protein C) Protein C antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	PROC
Alternative Name:	protein C, inactivator of coagulation factors Va and VIIIa (PROC Products)

Target Details

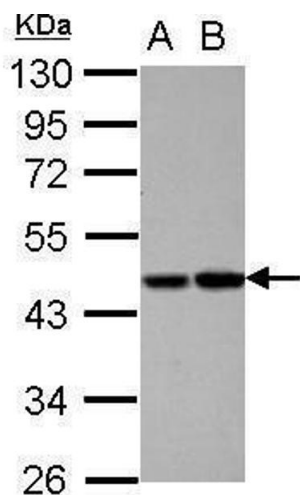
Target Type:	Viral Protein
Background:	The PROC gene encodes protein C (EC 3.4.21.69), a vitamin K-dependent plasma glycoprotein that is a key component of the anticoagulant system. Protein C is cleaved to its activated form, 'activated protein C' (APC) on endothelial cells by the thrombin-thrombomodulin complex (MIM 176930, 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), also a vitamin K-dependent plasma protein, functions as a cofactor to activated protein C.[supplied by OMIM]
Molecular Weight:	52 kDa
Gene ID:	5624
UniProt:	P04070

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Validation: Orthogonal
Restrictions:	For Research Use only

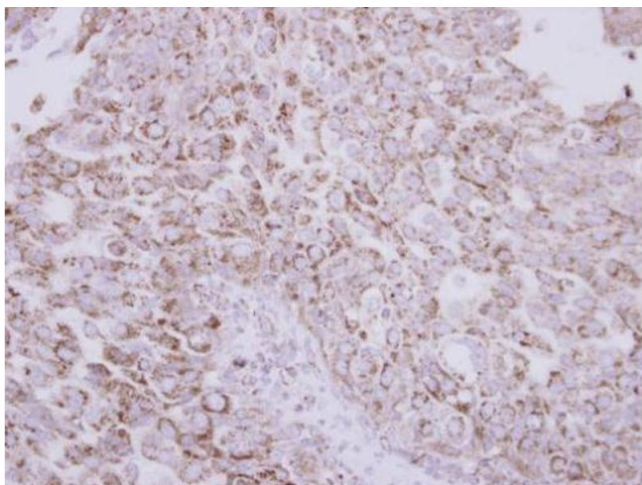
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	1XPBS (pH 7), 1 % BSA, 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: HepG2 B: HCT116 10% SDS PAGE antibody diluted at 1:1000



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded human breast cancer, using Protein C, antibody at 1:250 dilution.



Immunofluorescence

Image 3. ICC/IF Image Immunofluorescence analysis of methanol-fixed HeLa, using Protein C, antibody at 1:500 dilution.