



Protein C Polyclonal Antibody

Catalog No	BYab-04320
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	PROC
Protein Name	Vitamin K-dependent protein C
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human PROC. AA range:181-230
Specificity	Protein C Polyclonal Antibody detects endogenous levels of Protein C protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PROC; Vitamin K-dependent protein C; Anticoagulant protein C; Autoprothrombin IIA; Blood coagulation factor XIV
Observed Band	52kD
Cell Pathway	Secreted . Golgi apparatus . Endoplasmic reticulum .
Tissue Specificity	Plasma; synthesized in the liver.
Function	catalytic activity:Degradation of blood coagulation factors Va and VIIIa.,disease:Defects in PROC are the cause of protein C deficiency autosomal dominant (ADPROCD) [MIM:176860]. ADPROCD is a cause of hereditary thrombophilia, a hemostatic disorder characterized by impaired regulation of blood coagulation and a tendency to recurrent venous thrombosis. However, many adults with heterozygous disease may be asymptomatic. Individuals with decreased amounts of protein C are classically referred to as having type I protein C deficiency and those with normal amounts of a functionally defective protein as having type II deficiency.,disease:Defects in PROC are the cause of protein C deficiency autosomal recessive (ARPROCD) [MIM:612304]. ARPROCD results in

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a thrombotic condition that can manifest as a severe neonatal disorder or as a milder disorder with late-onset thrombophilia. The severe form I

Background

This gene encodes a vitamin K-dependent plasma glycoprotein. The encoded protein is cleaved to its activated form by the thrombin-thrombomodulin complex. This activated form contains a serine protease domain and functions in degradation of the activated forms of coagulation factors V and VIII. Mutations in this gene have been associated with thrombophilia due to protein C deficiency, neonatal purpura fulminans, and recurrent venous thrombosis.[provided by RefSeq, Dec 2009],

matters needing attention

Avoid repeated freezing and thawing!

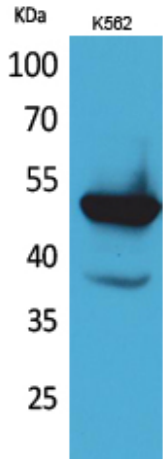
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

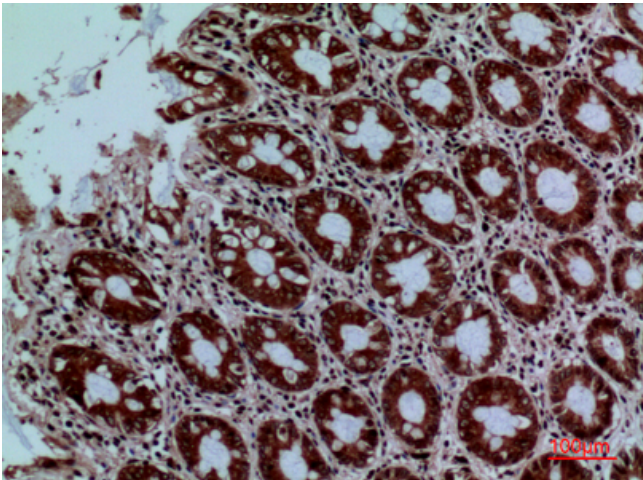
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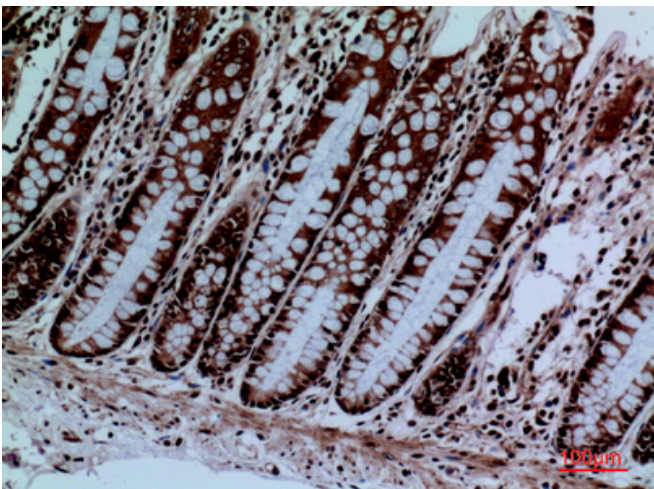
Products Images



Western Blot analysis of K562 cells using Protein C Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-colon, antibody was diluted at 1:100



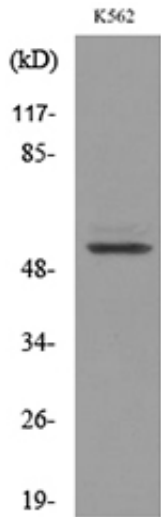
Immunohistochemical analysis of paraffin-embedded human-colon, antibody was diluted at 1:100

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Western blot analysis of lysate from K562 cells, using PROC Antibody.