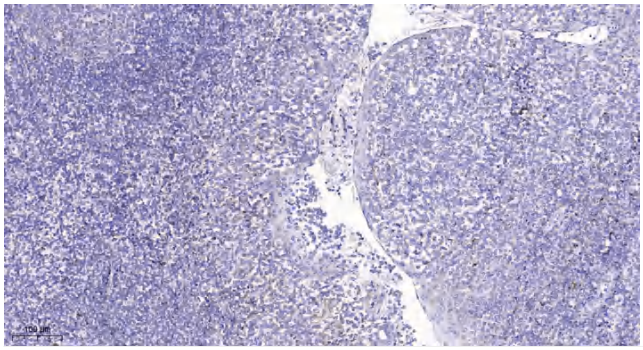
PROC (light chain, Cleaved-Leu179) rabbit pAb

Catalog No	YP-Ab-03368
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA;IHC
Gene Name	PROC
Protein Name	PROC (light chain, Cleaved-Leu179)
Immunogen	Synthesized peptide derived from human PROC (light chain, Cleaved-Leu179)
Specificity	This antibody detects endogenous levels of Human PROC (light chain, Cleaved-Leu179, protein was cleaved amino acid sequence between 179-180)
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 serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Vitamin K-dependent protein C (EC 3.4.21.69;Anticoagulant protein C;Autoprothrombin IIA;Blood coagulation factor XIV) [Cleaved into: Vitamin K-dependent protein C light chain; Vitamin K-dependent protein C heavy chain; Activation peptide]
Observed Band	17 45kD
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 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.

Products Images



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).