



Protein Z Monoclonal Antibody

Catalog No	YP-Ab-03415
Isotype	IgG
Reactivity	Human
Applications	WB;ELISA
Gene Name	PROZ
Immunogen	Purified recombinant fragment of Protein Z expressed in E. Coli.
Specificity	Protein Z Monoclonal Antibody detects endogenous levels of Protein Z protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PROZ;PZ;Vitamin K dependent protein Z;Protein Z;Vitamin K-dependent protein Z
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Secreted.
Tissue Specificity	Plasma.
Function	caution:Although homologous with the vitamin K-dependent clotting factors, it has lost two of the essential catalytic residues and has no enzymatic activity., function:Appears to assist hemostasis by binding thrombin and promoting its association with phospholipid vesicles.,PTM:The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains.,similarity:Belongs to the peptidase S1 family.,similarity:Contains 1 Gla (gamma-carboxy-glutamate) domain.,similarity:Contains 1 peptidase S1 domain.,similarity:Contains 2 EGF-like domains.,tissue specificity:Plasma.,



Background

This gene encodes a liver vitamin K-dependent glycoprotein that is synthesized in the liver and secreted into the plasma. The encoded protein plays a role in regulating blood coagulation by complexing with protein Z-dependent protease inhibitor to directly inhibit activated factor X at the phospholipid surface. Deficiencies in this protein are associated with an increased risk of ischemic arterial diseases and fetal loss. Mutations in this gene are the cause of protein Z deficiency. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2012],

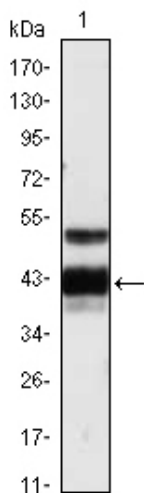
matters needing attention

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



Western Blot analysis using Protein Z Monoclonal Antibody against human plasma (1).