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Datasheet for ABIN892100

anti-CPB2 antibody (AA 131-230) (Biotin)

Overview

Quantity:	100 µL
Target:	CPB2
Binding Specificity:	AA 131-230
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CPB2 antibody is conjugated to Biotin
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CPB2
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Horse
Purification:	Purified by Protein A.

Target Details

Target:	CPB2
Alternative Name:	CPB2 (CPB2 Products)

Target Details

Background:	<p>Synonyms: Carboxypeptidase B like protein, Carboxypeptidase U, CarboxypeptidaseB2, Carboxypeptidase B2, CarboxypeptidaseU, CP B2, CPB 2, CPB2, CPU, PCPB, Plasma carboxypeptidase B, Plasma carboxypeptidase B2, Procarboxypeptidase B, Procarboxypeptidase R, Procarboxypeptidase U, TAFI, Thrombin activable fibrinolysis inhibitor, Thrombin activatable fibrinolysis inhibitor.</p> <p>Background: This protein belongs to a family of Zn-containing metallocarboxypeptidases specific to C-terminal lysine and arginine residues. It circulates in plasma as a zymogen with molecular weight of 55 kDa (401 amino acid residues, pI 5.0). Being activated by thrombin-thrombomodulin complex during blood coagulation, it exerts carboxypeptidase activity. Activated carboxypeptidase B2 removes C-terminal lysine residues from fibrin, which is necessary for plasminogen binding to fibrin. This prevents plasminogen from activation into plasmin and retards the lysis of a fibrin clot. The concentration in plasma of healthy people is 5-10 µg/mL. High plasma levels were found in patients with stable angina pectoris and angiographically verified coronary artery disease. Elevated concentration in blood is considered as a risk factor for venous thrombosis. A deficiency might contribute to the severity of bleeding disorders in hemophilias A and B, and decreased levels are found in chronic liver disease.</p>
Gene ID:	1361
Pathways:	Regulation of Actin Filament Polymerization , Carbohydrate Homeostasis

Application Details

Application Notes:	IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage:	-20 °C
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Storage Comment:	Store at -20°C for 12 months.
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Expiry Date:	12 months
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