

## Datasheet for ABIN872886 anti-CPB2 antibody (AA 131-230)



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### Overview

Quantity:	100 µL
Target:	CPB2
Binding Specificity:	AA 131-230
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CPB2 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), 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
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## Target Details

Alternative Name: CPB2 ([CPB2 Products](#))

Background: 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.

Background: This protein belongs to a family of Zn-containing metallo-carboxypeptidases 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.

Gene ID: 1361

Pathways: [Regulation of Actin Filament Polymerization](#), [Carbohydrate Homeostasis](#)

## Application Details

Application Notes: ELISA 1:500-1000  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

## Handling

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Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months