

Rabbit CPB2 Polyclonal Antibody | anti-CPB2 antibody

Anti-CPB2 Antibody

CATALOG # AAA46643	HOST Rabbit	REACTIVITY Human No cross reactivity with other proteins.	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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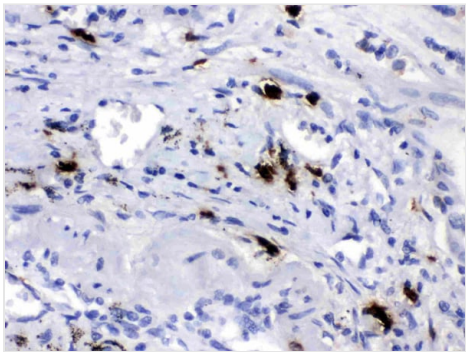
PRODUCT SYNONYMS

CPB2; Polyclonal Antibody; Anti-CPB2 Antibody; Carboxypeptidase U; CarboxypeptidaseU; CarboxypeptidaseB2; Carboxypeptidase B2; CP B2; CPB 2; CPU; PCPB; Procarboxypeptidase B; Procarboxypeptidase R; Procarboxypeptidase U; TAFI; Q96IY4; anti-CPB2 antibody

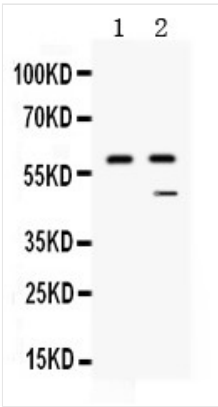
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	386
Applicable Applications for anti-CPB2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human CPB2 recombinant protein (Position: K166-D388). Human CPB2 shares 86.1% and 85.7% amino acid (aa) sequence identity with mouse and rat CPB2, respectively.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
CPB2 was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti- CPB2 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)
Western blot analysis of CPB2 expression in human placenta extract (lane 1) and HEPG2 whole cell lysates (lane 2). CPB2 at 48KD, 60KD was detected using rabbit anti- CPB2 Antigen Affinity purified polyclonal antibody at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-CPB2 antibody	Rabbit IgG polyclonal antibody for Carboxypeptidase B2 (CPB2) detection. Background: Carboxypeptidase B2 (CPB2), also known as carboxypeptidase U (CPU), plasma carboxypeptidase B (pCPB) or thrombin-activatable fibrinolysis inhibitor (TAFI), is an enzyme that, in humans, is encoded by the gene CPB2. CPB2 is synthesized by the liver and circulates in the plasma as a plasminogen-bound zymogen. When it is activated by proteolysis at residue Arg92 by the thrombin/thrombomodulin complex, CPB2 exhibits carboxypeptidase activity. Activated CPB2 reduces fibrinolysis by removing the fibrin C-terminal residues that are important for the binding and activation of plasminogen.
References	1. Boffa MB, Reid TS, Joo E, Nesheim ME, Koschinsky ML (May 1999). "Characterization of the gene encoding human TAFI (thrombin-activable fibrinolysis inhibitor; plasma procarboxypeptidase B)". Biochemistry 38 (20): 6547-58. 2. Eaton DL, Malloy BE, Tsai SP, Henzel W, Drayna D (Dec 1991). "Isolation, molecular cloning, and partial characterization of a novel carboxypeptidase B from human plasma". J Biol Chem 266 (32): 21833-8. 3. Tsai SP, Drayna D (Dec 1992). "The gene encoding human plasma carboxypeptidase B (CPB2) resides on chromosome 13". Genomics14 (2): 549-50.

NCBI AND UNIPROT INFORMATION

NCBI GI #	513126877
NCBI GeneID	1361
NCBI Accession #	NP_001265470.1
NCBI GenBank Nucleotide #	NM_001278541.1
UniProt Accession #	Q96IY4; Q15114; Q5T9K1; Q5T9K2; Q9P2Y6; A8K464
Molecular Weight	40,922 Da
NCBI Official Full Name	carboxypeptidase B2 isoform 2 preproprotein
NCBI Official Synonym Full Names	carboxypeptidase B2
NCBI Official Symbol	CPB2
NCBI Official Synonym Symbols	CPU; PCPB; TAFI
NCBI Protein Information	carboxypeptidase B2
UniProt Protein Name	Carboxypeptidase B2

UniProt Gene Name	CPB2
UniProt Synonym Gene Names	CPU; pCPB; TAFI
UniProt Entry Name	CBPB2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cpb2-antibody-immunohistochemistry-western-blot-elisa/46643>