

Anti-TAFI/CPB2 Picoband Antibody

Catalog # ABO12683

Product Information

Application	WB
Primary Accession	Q9JHH6
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Carboxypeptidase B2(CPB2) detection. Tested with WB in Mouse.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	56373
Other Names	Carboxypeptidase B2, 3.4.17.20, Carboxypeptidase R, CPR, Carboxypeptidase U, CPU, Thrombin-activable fibrinolysis inhibitor, TAFI, Cpb2, Tafi
Calculated MW	48871
Application Details	Western blot, 0.1-0.5 µg/ml, Mouse
Subcellular Localization	Secreted .
Tissue Specificity	Plasma; synthesized in the liver. .
Source	Eukaryota
Protein Name	Carboxypeptidase B2
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	E. coli-derived mouse CPB2 recombinant protein (Position: K165-D387). Mouse CPB2 shares 86.1% and 96.9% amino acid (aa) sequence identity with human and rat CPB2, respectively.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.

Protein Information

Name	Cpb2
Synonyms	Tafi
Function	Cleaves C-terminal arginine or lysine residues from biologically active peptides such as kinins or anaphylatoxins in the circulation thereby regulating their activities. Down-regulates fibrinolysis by removing C-terminal lysine residues from fibrin that has already been partially degraded by plasmin.
Cellular Location	Secreted.
Tissue Location	Plasma; synthesized in the liver.

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.

Images



Western blot analysis of CPB2 expression in mouse liver extract (lane 1). CPB2 at 48KD was detected using rabbit anti- CPB2 Antigen Affinity purified polyclonal antibody (Catalog # ABO12683) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.