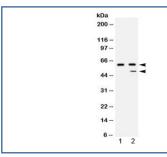


# Carboxypeptidase B2 Antibody / CPB2 / TAFI (R32482)

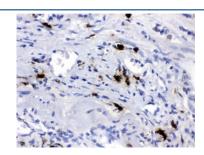
Catalog No.	Formulation	Size
R32482	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

## **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q96IY4
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 1-2ug/ml
Limitations	This Carboxypeptidase B2 antibody is available for research use only.



Western blot testing of 1) human placenta and 2) HepG2 lysate with Carboxypeptidase B2 antibody at 0.5ug/ml. Predicted molecular weight: ~48 kDa but routinely observed at 50-60 kDa.



IHC testing of FFPE human lung cancer tissue with Carboxypeptidase B2 antibody at 1ug/ml. HIER: steam in pH6 citrate buffer and allow to cool prior to staining.

### **Description**

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.

#### **Application Notes**

Optimal dilution of the Carboxypeptidase B2 antibody should be determined by the researcher.

#### **Immunogen**

Amino acids K166-D388 from the human protein were used as the immunogen for the Carboxypeptidase B2 antibody.

#### **Storage**

Prior to reconstitution, store at 4oC. After reconstitution, the Carboxypeptidase B2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.