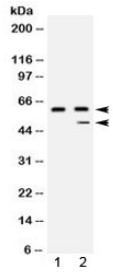
Carboxypeptidase B2 Antibody / CPB2 / TAFI (R32482)

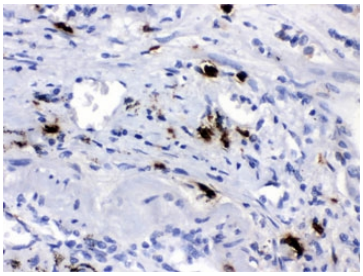
Catalog No.	Formulation	Size
R32482	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
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.

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