

**TAFI Polyclonal Antibody**

<b>Catalog No :</b>	YT4533
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	TAFI
<b>Fields :</b>	>>Complement and coagulation cascades;>>Pancreatic secretion;>>Protein digestion and absorption
<b>Gene Name :</b>	CPB2
<b>Protein Name :</b>	Carboxypeptidase B2
<b>Human Gene Id :</b>	1361
<b>Human Swiss Prot No :</b>	Q96IY4
<b>Mouse Swiss Prot No :</b>	Q9JHH6
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human CPB2. AA range:321-370
<b>Specificity :</b>	TAFI Polyclonal Antibody detects endogenous levels of TAFI protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 48kD

**Cell Pathway :** Complement and coagulation cascades;

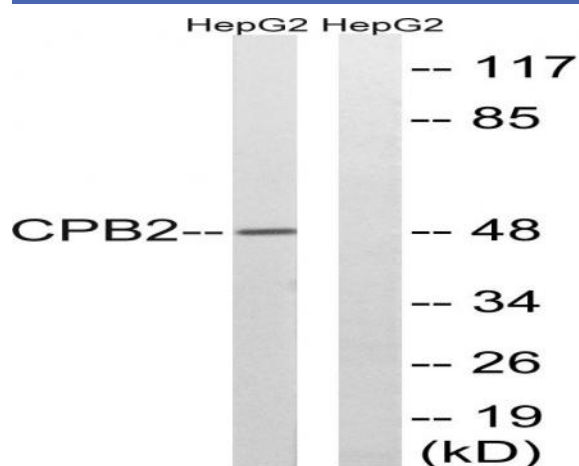
**Background :** Carboxypeptidases are enzymes that hydrolyze C-terminal peptide bonds. The carboxypeptidase family includes metallo-, serine, and cysteine carboxypeptidases. According to their substrate specificity, these enzymes are referred to as carboxypeptidase A (cleaving aliphatic residues) or carboxypeptidase B (cleaving basic amino residues). The protein encoded by this gene is activated by trypsin and acts on carboxypeptidase B substrates. After thrombin activation, the mature protein downregulates fibrinolysis. Polymorphisms have been described for this gene and its promoter region. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013],

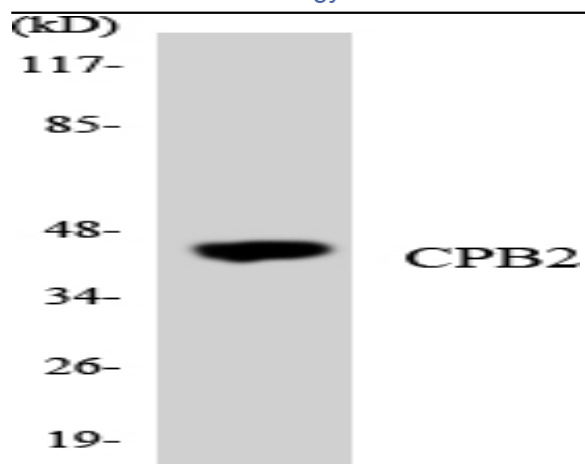
**Function :** catalytic activity:Release of C-terminal Arg and Lys from a polypeptide.,cofactor:Binds 1 zinc ion per subunit.,function:Cleaves C-terminal arginine or lysine residues from biologically active peptides such as kinins or anaphylatoxins in the circulation thereby regulating their activities.,similarity:Belongs to the peptidase M14 family.,tissue specificity:Plasma; synthesized in the liver.,

**Subcellular Location :** Secreted.

**Expression :** Plasma; synthesized in the liver.

## Products Images





Western blot analysis of the lysates from K562 cells using CPB2 antibody.