

**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

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

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**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],

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**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.,

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**Subcellular Location :** Secreted.

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

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**Sort :** 16895

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**No4 :** 1

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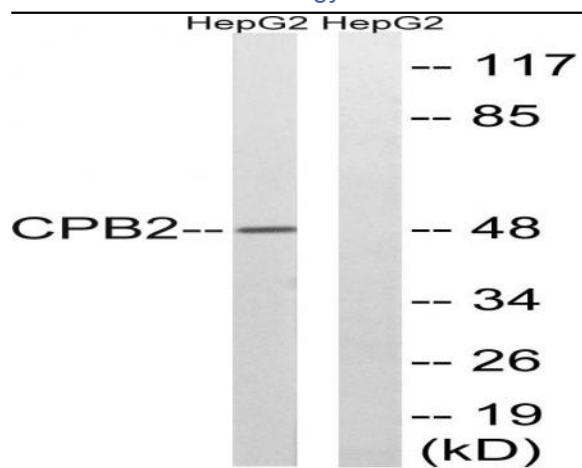
**Host :** Rabbit

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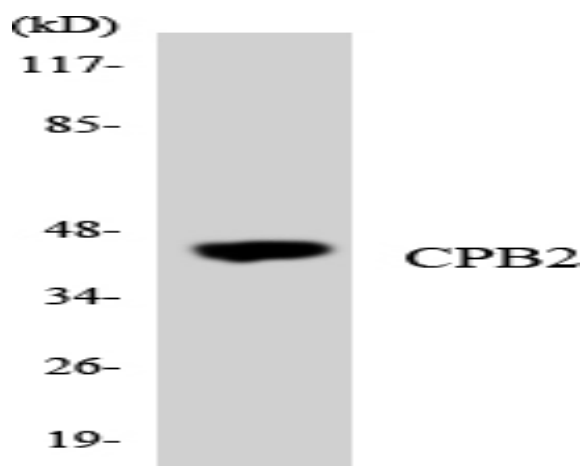
**Modifications :** Unmodified

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## Products Images



Western blot analysis of lysates from HepG2 cells, using CPB2 Antibody. The lane on the right is blocked with the synthesized peptide.



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