

TAFI Polyclonal Antibody

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

Observed Band : 48kD

Cell Pathway : Complement and coagulation cascades;

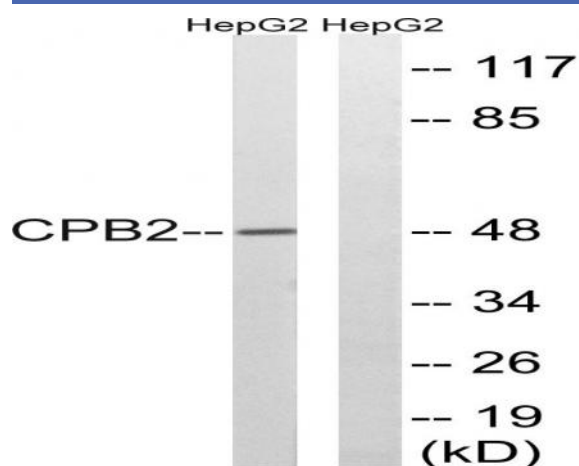
Background : Carboxypeptidases are enzymes that hydrolyze C-terminal peptide bonds. The carboxypeptidase family includes metallo-, serine, and cysteine carboxypeptidases. According to their substrate specificity, these enzymes are referred to as carboxypeptidase A (cleaving aliphatic residues) or carboxypeptidase 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],

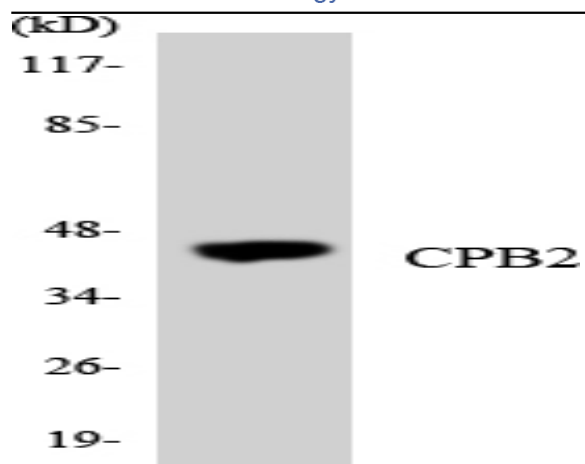
Function : catalytic activity:Release of C-terminal Arg and Lys from a polypeptide.,cofactor:Binds 1 zinc ion per subunit.,function:Cleaves C-terminal arginine or lysine residues from biologically active peptides such as kinins or anaphylatoxins in the circulation thereby regulating their activities.,similarity:Belongs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