

CPB2 rabbit monoclonal antibody

Catalog # H00001361-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human CPB2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human CPB2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human CPB2 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — CPB2

Entrez GeneID	1361
GeneBank Accession#	CPB2
Gene Name	CPB2
Gene Alias	CPU, PCPB, TAFI
Gene Description	carboxypeptidase B2 (plasma)
Omim ID	603101
Gene Ontology	Hyperlink
Gene Summary	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. Available sequence data analyses indicate splice variants that encode different isoforms. [provided by RefSeq]
Other Designations	OTTHUMP00000018364 OTTHUMP00000018365 bA139H14.2 (carboxypeptidase B2 (plasma)) carboxypeptidase B-like protein carboxypeptidase B2 (plasma, carboxypeptidase U) carboxypeptidase U plasma carboxypeptidase B2 thrombin-activable fibrinolysis inhibitor thromb

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Abortion](#)
- [Aneurysm](#)
- [Angina Pectoris](#)
- [Antiphospholipid Syndrome](#)

- [Behcet Syndrome](#)
- [Brain Ischemia](#)
- [Cadaver](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cerebral Infarction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Death](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hemorrhage](#)
- [Hemorrhagic Disorders](#)
- [Hepatic Vein Thrombosis](#)
- [Hypertension](#)
- [Inflammation](#)
- [Intracranial Arteriosclerosis](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Mouth Neoplasms](#)
- [Myocardial Infarction](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Placenta Diseases](#)

- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Recurrence](#)
- [Renal Insufficiency](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Thrombophilia](#)
- [Thrombosis](#)
- [Tobacco Use Disorder](#)
- [Venous Thrombosis](#)
- [Werner syndrome](#)