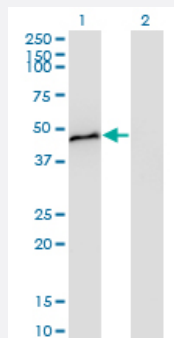


CPB1 monoclonal antibody (M01), clone 4D5

Catalog # H00001360-M01

Size 100 ug

Applications

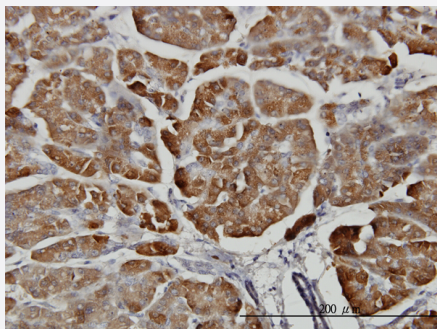


Western Blot (Transfected lysate)

Western Blot analysis of CPB1 expression in transfected 293T cell line by CPB1 monoclonal antibody (M01), clone 4D5.

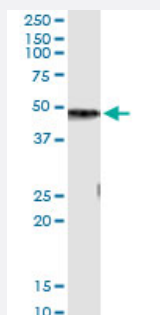
Lane 1: CPB1 transfected lysate (47.4 kDa).

Lane 2: Non-transfected lysate.



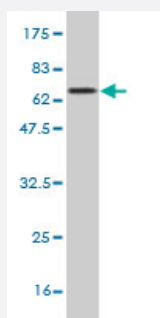
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to CPB1 on formalin-fixed paraffin-embedded human pancreas. [antibody concentration 3 ug/ml]



Immunoprecipitation

Immunoprecipitation of CPB1 transfected lysate using anti-CPB1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with CPB1 MaxPab rabbit polyclonal antibody.



Western Blot detection against Immunogen (70.18 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant CPB1.
Immunogen	CPB1 (AAH15338, 14 a.a. ~ 417 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	SAHHGGEHFEGEKVFRVNVEDENHINIIRELASTTQIDFWKPDSVTQIKPHSTVD FRVKAEDTVTV ENVLKQNELQYKVLISNLRNVVEAQFDSRV RATGHSYEKYNKWETIEAWTQQVATENPALISRSVI GTTFEGRAIMLLKVGKAGQNKPAIFMDCGFHAREWISPAFCQWFVREAVRTYGREIQVTELLDKLD FYVLPVLNIDGYITWTKSRFWRKTRSTHTGSSCIGTDPNRNFDAGWCEIGASRNPCDETYCGPAA ESEKETKALADFI RNKLSSIKAYLTIHSYSQMMIYPYSYAYKLGENNAELNALAKATVKELASLHGK YTYGPGATTIYPAAGGSDDWAYDQGIRYSFTFELRDTGRYGFLLPESQIRATCEETFLAIKYVASYVL EHL Y
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (70.18 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of CPB1 expression in transfected 293T cell line by CPB1 monoclonal antibody (M01), clone 4D5.

Lane 1: CPB1 transfected lysate(47.4 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to CPB1 on formalin-fixed paraffin-embedded human pancreas. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of CPB1 transfected lysate using anti-CPB1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with CPB1 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- ELISA

Gene Info — CPB1

Entrez GeneID	1360
GeneBank Accession#	BC015338
Protein Accession#	AAH15338
Gene Name	CPB1
Gene Alias	DKFZp779K1333, PASP, PCPB
Gene Description	carboxypeptidase B1 (tissue)
Omim ID	114852
Gene Ontology	Hyperlink

Gene Summary

Three different procarboxypeptidases A and two different procarboxypeptidases B have been isolated. The B1 and B2 forms differ from each other mainly in isoelectric point. Carboxypeptidase B1 is a highly tissue-specific protein and is a useful serum marker for acute pancreatitis and dysfunction of pancreatic transplants. It is not elevated in pancreatic carcinoma. [provided by RefSeq]

Other Designations

pancreas-specific protein|pancreatic carboxypeptidase B1

Disease

- [Tobacco Use Disorder](#)