

Human Phosphatidylethanolamine Binding Protein 4 (PEBP4) ELISA Kit | PEBP4 elisa kit

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CATALOG #
AAA187122

REACTIVITY
Human

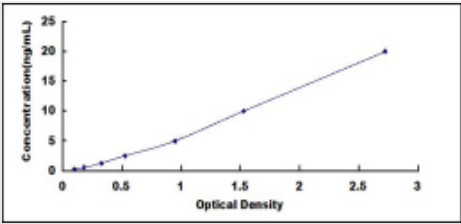
PRODUCT SYNONYMS

Phosphatidylethanolamine Binding Protein 4 (PEBP4); Human Phosphatidylethanolamine Binding Protein 4 (PEBP4) ELISA Kit; CORK1; hPEBP4; Cousin-of-RKIP 1 Protein; PEBP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Phosphatidylethanolamine Binding Protein 4 (PEBP4). No significant cross-reactivity or interference between Phosphatidylethanolamine Binding Protein 4 (PEBP4) and analogues was observed.
Sequence Length	227
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.119ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Phosphatidylethanolamine Binding Protein 4 (PEBP4) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Phosphatidylethanolamine Binding Protein 4 (PEBP4) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PEBP4 elisa kit

The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Phosphatidylethanolamine Binding Protein 4 (PEBP4). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Phosphatidylethanolamine Binding Protein 4 (PEBP4). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Phosphatidylethanolamine Binding Protein 4 (PEBP4), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Phosphatidylethanolamine Binding Protein 4 (PEBP4) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	116812622
NCBI GeneID	157310
NCBI Accession #	NP_659399.2
NCBI GenBank Nucleotide #	NM_144962.2
UniProt Accession #	Q96S96; Q5EVA1; Q8WW74
Molecular Weight	25,733 Da
NCBI Official Full Name	phosphatidylethanolamine-binding protein 4
NCBI Official Synonym Full Names	phosphatidylethanolamine binding protein 4
NCBI Official Symbol	PEBP4
NCBI Official Synonym Symbols	CORK1; CORK-1; PEBP-4; hPEBP4; PRO4408; GWTM1933; HEL-S-300
NCBI Protein Information	phosphatidylethanolamine-binding protein 4
UniProt Protein Name	Phosphatidylethanolamine-binding protein 4
UniProt Gene Name	PEBP4
UniProt Synonym Gene Names	CORK1; PEBP-4; hPEBP4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.