

Human PCBP1 (Poly (rC)-Binding Protein 1) ELISA Kit | PCBP1 elisa kit

Human PCBP1 (Poly (rC)-Binding Protein 1) ELISA Kit

CATALOG #
AAA249119

REACTIVITY
Human

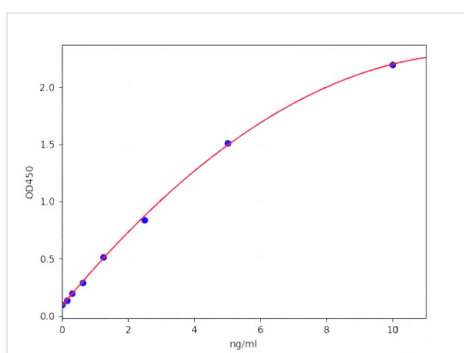
PRODUCT SYNONYMS

PCBP1 (Poly (rC)-Binding Protein 1); Human PCBP1 (Poly (rC)-Binding Protein 1) ELISA Kit; Alpha CP1; hnRNP E1; hnRNP X; HNRPE1; HNRPX; PCBP1; poly(rC) binding protein 1; PCBP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize PCBP1, no obvious cross reaction with other analogues
Sequence Length	356
Assay Type	Sandwich
Samples	Cell lysates, tissue homogenates and other biological samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PCBP1 elisa kit	Background: hnRNP E1 (PCBP1) is a member of the hnRNP family of proteins that are involved in pre-mRNA processing and mRNA export, localization, stability, and translation. hnRNP E1 exerts a wide range of biological functions, such as transcriptional activation of MOR gene expression, attenuation of alternative splicing of GHR pseudoexon expression, stabilization of collagen I and II, beta-globin, and androgen receptor mRNAs, and regulation of translation of various genes including Dab2, ILEI, and Bag-1. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti PCBP1 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti PCBP1 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with PCBP1 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of PCBP1 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	222352151
NCBI GeneID	5093
NCBI Accession #	NP_006187.2
NCBI GenBank Nucleotide #	NP_006187.2
UniProt Accession #	Q15365
NCBI Official Full Name	poly(rC)-binding protein 1
NCBI Official Synonym Full Names	poly(rC) binding protein 1
NCBI Official Symbol	PCBP1
NCBI Official Synonym Symbols	HNRPX; HNRPE1; hnRNP-X; HEL-S-85; hnRNP-E1
NCBI Protein Information	poly(rC)-binding protein 1
UniProt Protein Name	Poly(rC)-binding protein 1
UniProt Gene Name	PCBP1
UniProt Synonym Gene Names	hnRNP E1
UniProt Entry Name	PCBP1_HUMAN

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.