

Human Phosphatidylethanolamine-Binding Protein 1 (PEBP1) ELISA Kit | PEBP1 elisa kit

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CATALOG #
AAA331426

REACTIVITY
Human

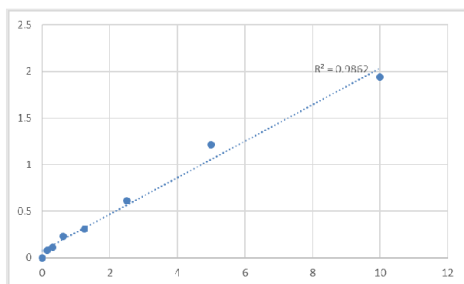
PRODUCT SYNONYMS

Phosphatidylethanolamine-Binding Protein 1 (PEBP1); Human Phosphatidylethanolamine-Binding Protein 1 (PEBP1) ELISA Kit; PEBP1; HCNP; PBP; PEBP; RKIP; Raf kinase inhibitory protein; hippocampal cholinergic neurostimulating peptide; prostatic binding protein; PEBP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Phosphatidylethanolamine-binding protein 1 (PEBP1) ELISA Kit has high sensitivity and excellent specificity for detection of Human PEBP1. No significant cross-reactivity or interference between Human PEBP1 and analogues was observed.
Sequence Length	187
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Phosphatidylethanolamine-binding protein 1 (PEBP1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PEBP1 elisa kit	Description: This Human Phosphatidylethanolamine-binding protein 1 (PEBP1) ELISA Kit employs a two-site sandwich ELISA to quantitate PEBP1 in samples. An antibody specific for PEBP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PEBP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PEBP1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PEBP1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: RKIP cDNA encodes a protein of 186 amino acids, the sequence of which is 95% identical to the bovine 21- to 23-kD protein. The rat protein shows 85.5% identity with the human protein. highly expressed in the brain and associated with cytosolic proteins and small GTP-binding proteins. Multiple tissue Northern blots revealed the presence of a single mRNA in the different tissues of each species; a single band of 1.8 kb was identified in human, 1.45 kb in mouse, and 1.2 kb in rat tissues. The mRNA is particularly highly expressed in rat and mouse testis, where the level was 30 times higher than that in the brain. PBP is expressed strongly in the cell bodies of oligodendrocytes but only weakly elsewhere. Schwann cells and spinal nerve roots showed intense cytoplasmic PBP immunoreactivity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505621
NCBI GeneID	5037
NCBI Accession #	NP_002558.1
NCBI GenBank Nucleotide #	NP_002558.1
UniProt Accession #	P30086
NCBI Official Full Name	phosphatidylethanolamine-binding protein 1
NCBI Official Synonym Full Names	phosphatidylethanolamine binding protein 1
NCBI Official Symbol	PEBP1
NCBI Official Synonym Symbols	PBP; HCNP; PEBP; RKIP; HCNPPP; PEBP-1; HEL-210; HEL-S-34; HEL-S-96
NCBI Protein Information	phosphatidylethanolamine-binding protein 1
UniProt Protein Name	Phosphatidylethanolamine-binding protein 1
UniProt Gene Name	PEBP1
UniProt Synonym Gene Names	PBP; PEBP; PEBP-1; RKIP; HCNP
UniProt Entry Name	PEBP1_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.