

# Mouse Phosphatidylethanolamine-binding protein 1 (PEBP1) ELISA Kit

Catalog No: #EK8593

Package Size: #EK8593-1 48T #EK8593-2 96T

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## Description

Product Name	Mouse Phosphatidylethanolamine-binding protein 1 (PEBP1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	HCNP; PBP; PEBP; RKIP; Raf kinase inhibitory protein hippocampal cholinergic neurostimulating peptide prostatic binding protein
Accession No.	P70296
Uniprot	P70296
GeneID	23980;
Storage	<p>The stability of ELISA 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.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.061 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**Sandwich**Test principle:**This assay 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 anyPEBP1 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.**Product Overview:**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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Note: This product is for in vitro research use only