

Recombinant Human PEBP1 293 Cell Lysate

Cat. No. PEBP1-3311HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for phosphatidylethanolamine binding protein 1 (PEBP1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

PEBP1 phosphatidylethanolamine binding protein 1 [Homo sapiens]

Official Symbol

PEBP1

Synonyms

PEBP1; phosphatidylethanolamine binding protein 1; PBP, prostatic binding protein; phosphatidylethanolamine-binding protein 1; HCNP; hippocampal cholinergic neurostimulating peptide; PEBP; Raf kinase inhibitory protein; RKIP; neuropeptide h3; prostatic binding protein; prostatic-binding protein; raf kinase inhibitor protein; PBP; HCNPpp; PEBP-1;

Gene ID

5037

mRNA Refseq

NM_002567

Protein Refseq

NP_002558

MIM

604591

UniProt ID

P30086

**Chromosome
Location**

12q24

Pathway

Aurora B signaling, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; ErbB1 downstream signaling, organism-specific

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biosystem; TNF-alpha/NF-kB Signaling Pathway, organism-specific biosystem;

Function

ATP binding; lipid binding; mitogen-activated protein kinase binding; nucleotide binding; peptidase inhibitor activity; phosphatidylethanolamine binding; receptor binding; serine-type endopeptidase inhibitor activity;

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