

Datasheet for 112-401-E08**PEBP Antibody****Overview**

Description:	Anti-PEBP (phosphatidylethanolamine binding protein) (RABBIT) Antibody - 112-401-E08
Item No.:	112-401-E08
Size:	100 µL
Applications:	WB
Reactivity:	Rat
Host Species:	Rabbit

Product Details

Background:	Phosphatidylethanolamine binding protein Antibody detects PEBP protein. Phosphatidylethanolamine binding protein (PEBP), also known as Raf kinase inhibitory protein (RKIP) is a highly conserved multifunctional protein that modulates the Raf/MAPK signaling cascade and has been implicated as a suppressor of metastatic cancer. PEBP has been shown to not only inhibit cell proliferation but also to induce differentiation of human keratinocytes. Dysregulation of calpain activity results in cellular degeneration in conditions such as Alzheimer's disease and recently PEBP has been identified as a potential in vivo calpain substrate. Anti-Phosphatidylethanolamine binding protein Antibody is ideal for investigators involved in Neuroscience, Cell Signaling, and Cancer research.
Synonyms:	rabbit anti-Anti-PEBP, rabbit anti-phosphatidylethanolamine binding protein, 23kDa morphine-binding protein, HCNPPp, P23K
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	Pebp1
Reactivity:	Rat
Immunogen Type:	Native Protein

Immunogen:	Anti-Phosphatidylethanolamine binding protein Antibody was produced by repeated immunizations with purified native rat phosphatidylethanolamine binding protein.
Purity/Specificity:	Anti-Phosphatidylethanolamine binding protein antibody is directed against rat PEBP protein. The antibody was prepared from monospecific neat serum. The antibody has been directly tested for reactivity on rat tissues. Cross reactivity with PEBP from other species has not been determined.
Relevant Links:	• UniProtKB - P31044 • GeneID - 29542 • UniProtKB - P31044.3

Application Details

Tested Applications:	WB
Application Note:	Anti-Phosphatidylethanolamine binding protein Antibody has been tested in Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band of approximately 22 kDa in size corresponding to the PEBP in appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	1:1000

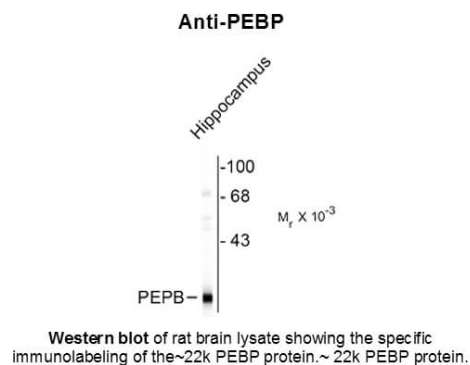
Formulation

Physical State:	Liquid
Concentration:	Titred value sufficient to run approximately 10 mini blots.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Rabbit anti-PEBP (phosphatidylethanolamine binding protein) antibody. Lane 1: Rat Brain Lysate. Lane 2: None. Load: 10 μ g per lane. Primary antibody: PEBP antibody at 1:1,000 for overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 22 kDa for PEBP. Other band(s): none.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.