

PEBP (Phosphatidylethanolamine Binding Protein) Antibody
Rabbit polyclonal antibody
Catalog # AN1153

Specification

PEBP (Phosphatidylethanolamine Binding Protein) Antibody - Product Information

Application	WB, FC
Primary Accession	P31044
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	polyclonal
Calculated MW	22 KDa

PEBP (Phosphatidylethanolamine Binding Protein) Antibody - Additional Information

Gene ID	29542
Gene Name	PEBP1

Other Names

Phosphatidylethanolamine-binding protein 1, PEBP-1, 23 kDa morphine-binding protein, HCNPpp, P23K, Hippocampal cholinergic neurostimulating peptide, HCNP, Pebp1, Pbp, Pebp

Target/Specificity

Purified native rat PEBP.

Dilution

WB~~1:1000

FC~~1:500

Format

Neat serum

Antibody Specificity

Specific for the ~ 22k PEBP protein in Western blots

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PEBP (Phosphatidylethanolamine Binding Protein) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

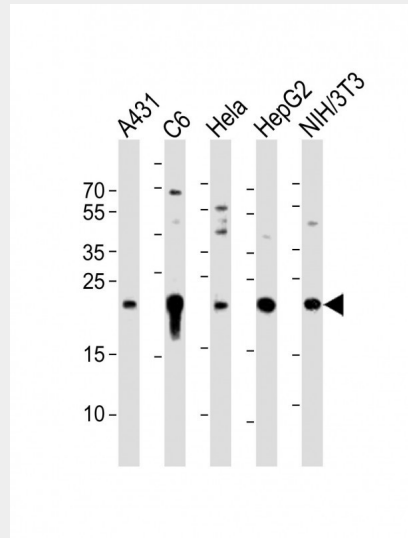
Blue Ice

PEBP (Phosphatidylethanolamine Binding Protein) Antibody - Protocols

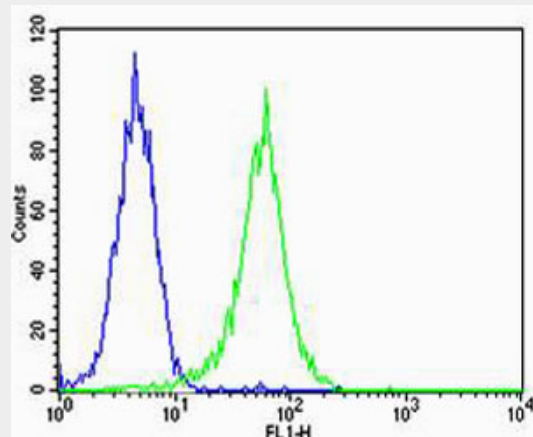
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PEBP (Phosphatidylethanolamine Binding Protein) Antibody - Images



All lanes : Anti-Pebp1 Antibody at 1:1000 dilution Lane 1: A431 whole cell lysate Lane 2: C6 whole cell lysate Lane 3: HeLa whole cell lysate Lane 4: HepG2 whole cell lysate Lane 5: NIH/3T3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 21 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Flow cytometric analysis of HeLa cells using Park7 (DJ-1) Antibody(green, Cat#AN1153) compared to an isotype control of rabbit IgG(blue). AN1153 was diluted at 1:500 dilution. An Alexa Fluor® 488 goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody.

PEBP (Phosphatidylethanolamine Binding Protein) Antibody - Background

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 (Trakul N et al., 2005). PEBP has been shown to not only inhibit cell proliferation but also to induce differentiation of human keratinocytes (Yamazaki et al., 2004). 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 (Chen et al., 2006).

PEBP (Phosphatidylethanolamine Binding Protein) Antibody - References

Trakul N, Menard RE, Schade GR, Qian Z, Rosner MR (2005) Raf kinase inhibitory protein regulates Raf-1 but not BRAF kinase activation. *J. Biol. Chem.* 280(26): 24931-40.

Yamazaki T, Nakano H, Hayakari M, Tanaka M, Mayama J, Tsuchida S (2004) Differentiation induction of human keratinocytes by phosphatidylethanolamine binding protein. *J. Biol. Chem.* 279(31):32191-95.

Chen Q, Wang S, Thompson SN, Hall ED, Guttmann RP (2006) Identification and characterization of PEBP as a calpain substrate. *J Neurochem.* 99(4): 1133-41.