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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

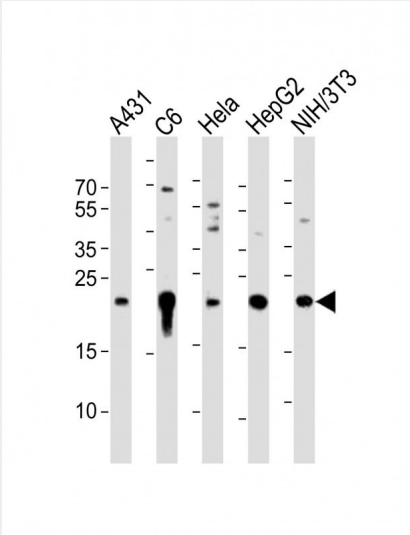
PEBP (Phosphatidylethanolamine Binding Protein) Antibody - Protocols

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

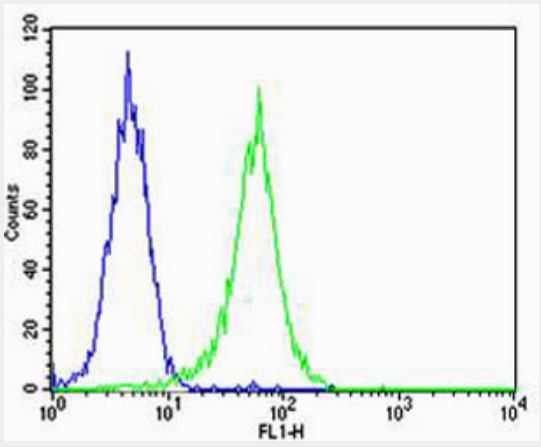
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- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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 at 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.