

Product Name: KD-Validated PBP Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00969**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 21.1kDa

Antigen Information

Gene Name	PEBP1 Phosphatidylethanolamine Binding Protein 1; RKIP; PEBP; HCNP; PBP; Hippocampal Cholinergic Neurostimulating Peptide; Phosphatidylethanolamine-Binding Protein 1; Raf Kinase Inhibitory Protein; Raf Kinase Inhibitor Protein; Prostatic Binding Protein; Neuropolypeptide H3; HCNPpp; PEBP-1; Epididymis Secretory Protein Li 34; Epididymis Secretory Protein Li 96; Epididymis Luminal Protein 210; Prostatic-Binding Protein; HEL-S-34; HEL-S-96; HEL-210
Alternative Names	
Gene ID	5037.0
SwissProt ID	P30086
Immunogen	A synthesized peptide derived from human PEBP1

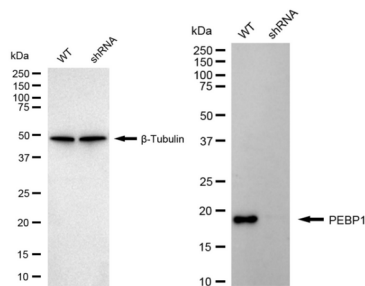
Background

This gene encodes a member of the phosphatidylethanolamine-binding family of proteins and has been shown to modulate multiple signaling pathways, including the MAP kinase (MAPK), NF-kappa B, and glycogen synthase kinase-3 (GSK-3) signaling pathways. The encoded protein can be further processed to form a smaller cleavage product, hippocampal cholinergic neurostimulating peptide (HCNP), which may be involved in neural development. This gene has been implicated in numerous human cancers and may act as a metastasis suppressor gene. Multiple pseudogenes of this gene have been identified in the genome. [provided by RefSeq, Jul 2015]

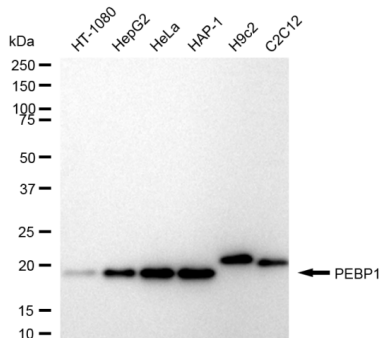
Research Area

Cell Biology, Neuroscience, Epigenetics and Nuclear Signaling, Cancer

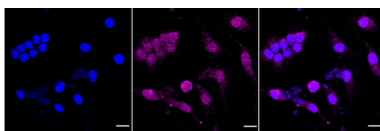
Image Data



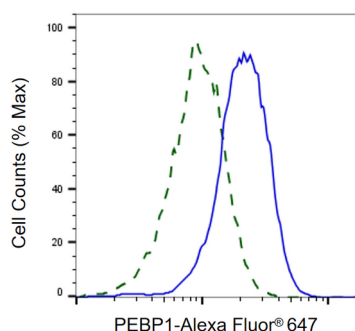
Western blotting analysis using PEBP1 antibody (KVA00969). PEBP1 expression in wild type (WT) and PEBP1 shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with PEBP1 antibody (KVA00969, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



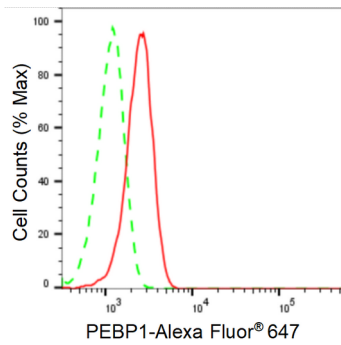
Western blotting analysis using PEBP1 antibody (KVA00969). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with PEBP1 antibody (KVA00969, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with PEBP1 antibody (KVA00969, 1:1,000). Nuclei were stained blue with DAPI; PEBP1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar: 20 μ m.



Validation of PEBP1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with PEBP1 antibody (KVA00969, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of PEBP1 expression in HeLa cells using PEBP1 antibody (KVA00969, 1:2,000). Green, isotype control; red, PEBP1.