

Product datasheet for **AP15047PU-N**

PBP (PEBP1) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/100 - 1/500. Immunohistochemistry: 1/50 - 1/100.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human PBP.
Specificity:	This antibody reacts to PBP.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	phosphatidylethanolamine binding protein 1
Database Link:	Entrez Gene 5037 Human P30086



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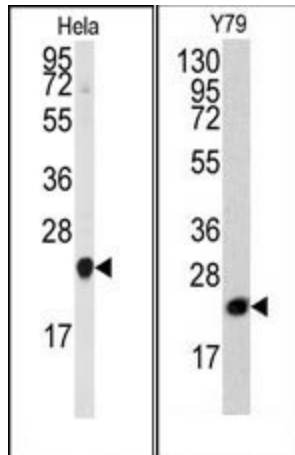
Background:

PBP binds ATP, opioids and phosphatidylethanolamine, exhibiting a lower affinity for phosphatidylinositol and phosphatidylcholine. This serine protease inhibitor inhibits thrombin, neuropsin and chymotrypsin but not trypsin, tissue type plasminogen activator and elastase. PBP contains hippocampal cholinergic neurostimulating peptide (HCNP), which may be involved in the function of the presynaptic cholinergic neurons of the central nervous system. HCNP increases the production of choline acetyltransferase but not acetylcholinesterase.

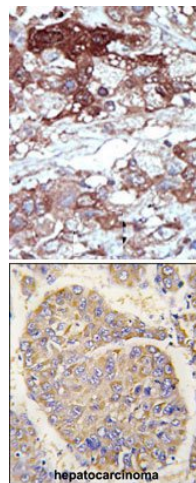
Synonyms:

PEBP-1, PEBP, Prostatic-binding protein, PBP, Raf kinase inhibitor protein, HCNPPp

Product images:



(LEFT) The anti-PBP Pab is used in Western blot to detect PBP in HeLa cell lysate. (RIGHT) Western blot analysis of anti-PBP Pab in Y79 cell line lysates (35ug/lane). PBP (arrow) was detected using the purified Pab (1:60dilution).



(TOP)Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. (BOTTOM)Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with PBP antibody (N-term) which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.