

KD-Validated Anti-PBP Rabbit Monoclonal Antibody Rabbit monoclonal antibody Catalog # AGI1631

Specification

KD-Validated Anti-PBP Rabbit Monoclonal Antibody - Product Information

Application Primary Accession Reactivity Clonality Isotype Calculated MW Gene Name Aliases	WB, FC, ICC <u>P30086</u> Rat, Human, Mouse Monoclonal Rabbit IgG Predicted, 21 kDa , observed , 21 kDa KDa 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;
Immunogen	HEL-S-96; HEL-210 A synthesized peptide derived from human PEBP1

KD-Validated Anti-PBP Rabbit Monoclonal Antibody - Additional Information

Gene ID5037Other NamesPhosphatidylethanolamine-binding protein 1, PEBP-1, HCNPpp, Neuropolypeptide h3,
Prostatic-binding protein, Raf kinase inhibitor protein, RKIP, Hippocampal cholinergic
neurostimulating peptide, HCNP, PEBP1, PBP, PEBP

KD-Validated Anti-PBP Rabbit Monoclonal Antibody - Protein Information

Name PEBP1

Synonyms PBP, PEBP

Function

Binds ATP, opioids and phosphatidylethanolamine. Has lower affinity for phosphatidylinositol and phosphatidylcholine. Serine protease inhibitor which inhibits thrombin, neuropsin and chymotrypsin but not trypsin, tissue type plasminogen activator and elastase (By similarity). Inhibits the kinase activity of RAF1 by inhibiting its activation and by dissociating the RAF1/MEK complex and acting as a competitive inhibitor of MEK phosphorylation.



Cellular Location Cytoplasm.

KD-Validated Anti-PBP Rabbit Monoclonal Antibody - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

KD-Validated Anti-PBP Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-PEBP1 antibody (Cat#AGI1631). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-PEBP1 antibody (Cat#AGI1631, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody respectively.



Western blotting analysis using anti-PEBP1 antibody (Cat#AGI1631). 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 anti-PEBP1 antibody (Cat#AGI1631, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of PEBP1 expression in HeLa cells using PEBP1 antibody (Cat#AGI1631, 1:2,000). Green, isotype control; red, PEBP1.



Immunocytochemical staining of Hela cells with anti-PEBP1 antibody (Cat#AGI1631, 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 µm.