

Rabbit anti-Human, Mouse PEBP1 Polyclonal Antibody | anti-PEBP1 antibody

PEBP1 Polyclonal Antibody

CATALOG # AAA36662	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunoprecipitation, Immunofluorescence, Immunohistochemistry, Western Blot
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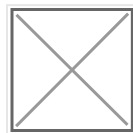
PRODUCT SYNONYMS

PEBP1; Polyclonal Antibody; PEBP1 Polyclonal Antibody; HCNP; PBP; PEBP; RKIP; anti-PEBP1 antibody

PRODUCT SPECIFICATIONS

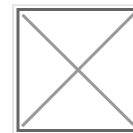
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	187
Applicable Applications for anti-PEBP1 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human PEBP1
Calculated Molecular Weight	21kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



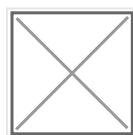
IP (Immunoprecipitation)

Immunoprecipitation analysis of 150ug extracts of MCF-7 cells using 3ug PEBP1 antibody. Western blot was performed from the immunoprecipitate using PEBP1 antibody at a dilution of 1:500.



IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using PEBP1 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PEBP1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-PEBP1 antibody	Raf kinase inhibitor protein (RKIP) is a member of the phosphatidylethanolamine-binding protein (PEBP) family that associates with Raf-1 and the MEK and MAP kinases (1). RKIP has been shown to complex with Raf-1, MEK, and ERK (2). Although MEK and ERK can simultaneously bind RKIP, the association between Raf-1 and RKIP and that of RKIP and MEK are mutually exclusive. Thus, RKIP competitively disrupts the Raf-1-MEK complex and effectively terminates signal transmission from Raf-1 to MAP kinases (2). The inhibitory effect of RKIP on MAP kinase signaling is eliminated by PKC phosphorylation of RKIP at Ser153 (3). PKC phosphorylation on Ser153 also promotes the association of RKIP with GRK2, which prevents GRK2-dependent internalization of GPCR (4). RKIP also interacts with modules of the NF-kappaB pathway, including NF-kappaB-inducing kinase (NIK), TAK1, IKKalpha and IKKbeta (5). These interactions antagonize cytokine-induced activation of the NF-kappaB pathway (5). Restoration of RKIP expression is associated with the inhibition of prostate cancer metastasis, implying that RKIP may be a potential clinical target as a suppressor of tumor metastasis through inhibition of vascular invasion (6).
Product Categories/Family for anti-PEBP1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	1352726
NCBI GeneID	5037
UniProt Accession #	P30086; B2R4S1
Molecular Weight	187
NCBI Official Full Name	Phosphatidylethanolamine-binding protein 1
NCBI Official Synonym Full Names	phosphatidylethanolamine binding protein 1
NCBI Official Symbol	PEBP1
NCBI Official Synonym Symbols	PBP; HCNP; PEBP; RKIP; HCNPpp; PEBP-1; HEL-210; HEL-S-34
NCBI Protein Information	phosphatidylethanolamine-binding protein 1; neuropolypeptide h3; prostatic binding protein; prostatic-binding protein; raf kinase inhibitor protein; Raf kinase inhibitory protein; epididymis luminal protein 210; epididymis secretory protein Li 34; hippocampal cholinergic neurostimulating peptide
UniProt Protein Name	Phosphatidylethanolamine-binding protein 1
UniProt Gene Name	PEBP1
UniProt Synonym Gene Names	PBP; PEBP; PEBP-1; RKIP; HCNP
UniProt Entry Name	PEBP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.