SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-PBP antibody

Catalog Number: SL1436R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	PBP
Immunogen:	KLH conjugated synthetic peptide derived from human RKIP: 51-187/187
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Human,Chicken,Dog,Pig,Cow,Horse,Rabbit)
Predicted MW.:	21kDa
Subcellular Location:	cytoplasmic
Background:	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. HCNP 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. Seems to be mediated by a specific receptor. [SUBCELLULAR LOCATION] Cytoplasm. Belongs to the phosphatidylethanolamine-binding protein family. **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,

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

	tissue type plasminogen activator and elastase. HCNP 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. Seems to be mediated by a specific receptor. **Subcellular Location:** Cytoplasm. **Similarity:** Belongs to the phosphatidylethanolamine-binding protein family. **Database links:** **Entrez Gene:** 5037 Human **Entrez Gene:** 23980 Mouse **Entrez Gene:** 29542 Rat Omim: 604591 Human **SwissProt:** P30086 Human **SwissProt:** P70296 Mouse **SwissProt:** P31044 Rat **Unigene:** 433863 Human **Unigene:** 195898 Mouse **Unigene:** 338476 Mouse **Unigene:** 473809 Mouse **Unigene:** 29745 Rat Signaling Intermediates RafKinase inhibitor protein (PKIP) belongs to phosphatidylethanolamineBinding protein （phosphatidylethanolamine-binding protein, PEBP）family,widely present in various different organisms,PKIPand also participates in the regulation of the NF-kB signaling pathway and the G protein-coupled receptor signaling pathway,participates inNF-κBregulation of signaling pathways,participates in the regulation of multiple intracellular Signal transduction pathways. RKIP plays an important role in physiological processes such as membrane biosynthesis, spermatogenesis, neural development and Apoptosis, and is involved in pathological processes such as Alzheimer's disease and Diabetes. Some scholars believe that RKIP has an inhibitory effect on Tumour cell metastasis.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

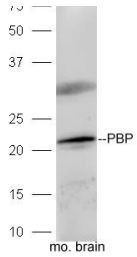
SunLong Biotech Co.,LTD

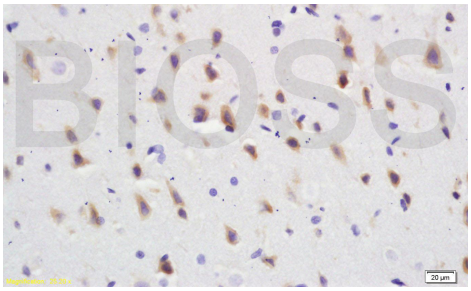
Tel: 0086-571-56623320 Fax:0086-571-56623318

E-mail:sales@sunlongbiotech.com

www.sunlongbiotech.com

[VALIDATION IMAGES]





Sample: Brain(mouse) at lysates;
Primary: Anti-PBP (SL1436R) at 1:300 dilution;
Secondary: HRP conjugated Goat-Anti-rabbit IgG(SL0295G-HRP) at 1: 5000 dilution;
Predicted band size:21 kD
Observed band size:21 kD

Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-RKIP/PBP Polyclonal Antibody, Unconjugated(SL1436R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.