



Rabbit Anti-PHAP1 antibody

SL6083R

Product Name:	PHAP1
Chinese Name:	蛋白磷酸酶2A抑制剂1抗体
Alias:	Acidic leucine-rich nuclear phosphoprotein 32 family member A; Acidic nuclear phosphoprotein 32 family member A; C15orf1; Acidic nuclear phosphoprotein pp32; AN32A_HUMAN; ANP32A; I1PP2A; Inhibitor 1 of protein phosphatase 2A; Lanp; Leucine Rich Acidic Nuclear Protein; Leucine-rich acidic nuclear protein; MAPM; Mapmodulin; PHAPI; Potent heat stable protein phosphatase 2A inhibitor I1PP2A; Potent heat-stable protein phosphatase 2A inhibitor I1PP2A; PP32; Putative HLA DR associated protein I; Putative HLA-DR-associated protein I; Putative Human HLA Class II Associated Protein; Putative human HLA class II associated protein I.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	27kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PHAP1:41-140/249
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed

Implicated in a number of cellular processes, including proliferation, differentiation, caspase-dependent and caspase-independent apoptosis, suppression of transformation (tumor suppressor), inhibition of protein phosphatase 2A, regulation of mRNA trafficking and stability in association with ELAVL1, and inhibition of acetyltransferases as part of the INHAT (inhibitor of histone acetyltransferases) complex. Plays a role in E4F1-mediated transcriptional repression.

Subunit:

Component of the SET complex, which also contains SET, APEX1, HMGB2 and NME1. Directly interacts with SET. Interacts with ATXN1/SCA1. Interacts with MAP1B (By similarity). Interacts with ELAVL1. Part of the INHAT (inhibitor of histone acetyltransferases) complex. Interacts with E4F1.

Subcellular Location:

Nucleus. Cytoplasm. Endoplasmic reticulum. Note=Translocates to the cytoplasm during the process of neuritogenesis (By similarity). Shuttles between nucleus and cytoplasm.

Tissue Specificity:

Expressed in all tissues tested. Highly expressed in kidney and skeletal muscle, moderate levels of expression in brain, placenta and pancreas, and weakly expressed in lung. Found in all regions of the brain examined (amygdala, caudate nucleus, corpus callosum, hippocampus and thalamus), with highest levels in amygdala.

Similarity:

Belongs to the ANP32 family.
Contains 4 LRR (leucine-rich) repeats.
Contains 1 LRRCT domain.

SWISS:

P39687

Gene ID:

8125

Database links:

[Entrez Gene: 8125](#)Human

[Entrez Gene: 11737](#)Mouse

[Entrez Gene: 25379](#)Rat

[Omim: 600832](#)Human

[SwissProt: P39687](#)Human

[SwissProt: O35381](#)Mouse

Product Detail:

[SwissProt: P49911](#)Rat

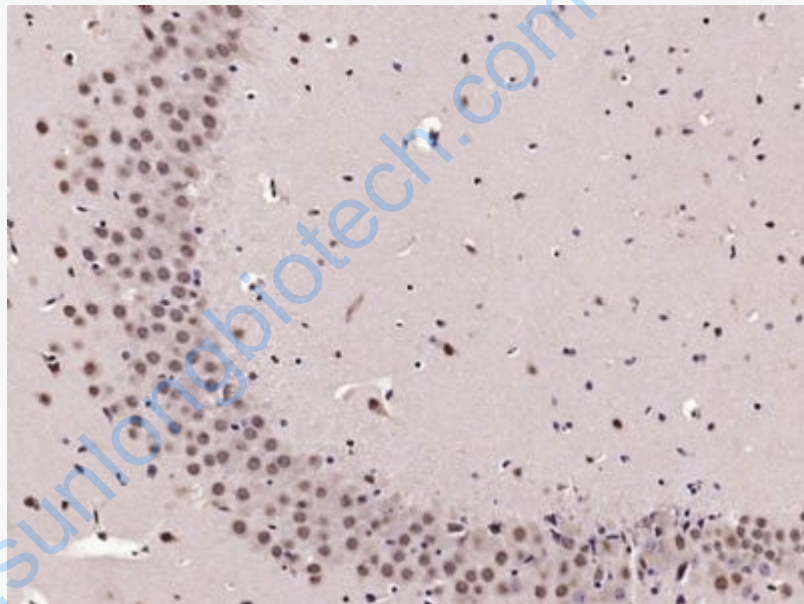
[Unigene: 458747](#)Human

[Unigene: 269088](#)Mouse

[Unigene: 10123](#)Rat

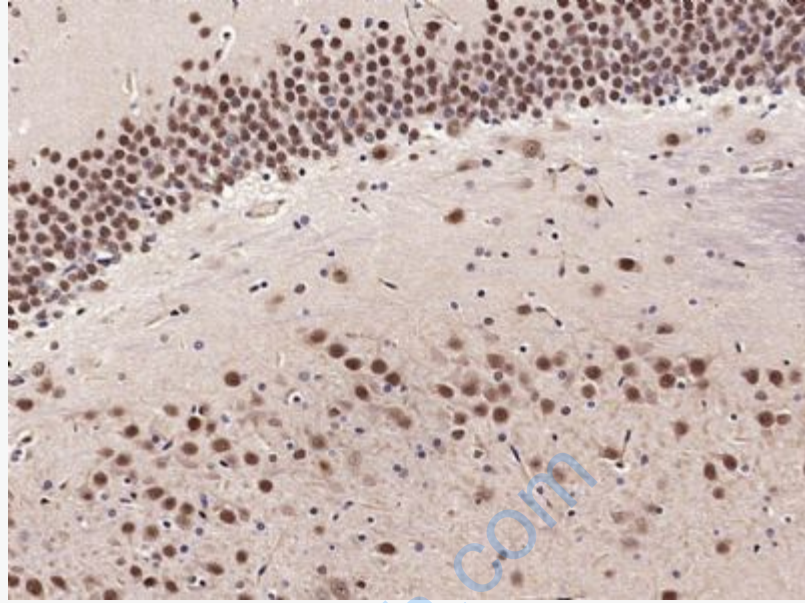
Important Note:

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

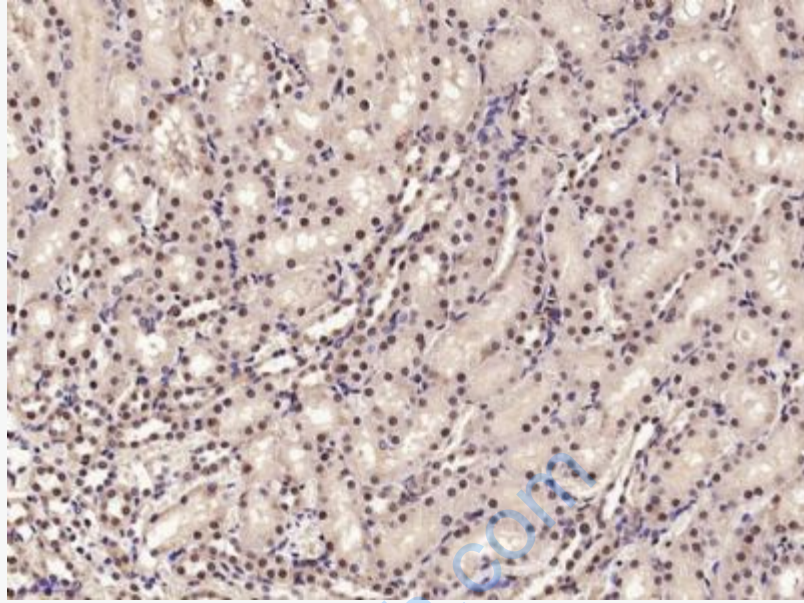


Picture:

Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (PHAP1) Polyclonal Antibody, Unconjugated (SL6083R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP)and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (PHAP1) Polyclonal Antibody, Unconjugated (SL6083R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat kidney); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (PHAP1) Polyclonal Antibody, Unconjugated (SL6083R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.