



## Rabbit Anti-PHLP antibody

SL5812R

<b>Product Name:</b>	PHLP
<b>Chinese Name:</b>	Tumour抑制基因PHLPP抗体
<b>Alias:</b>	hSCOP; PH domain and leucine rich repeat protein phosphatase; PH domain leucine rich repeat containing protein phosphatase; PH domain leucine rich repeat protein phosphatase; PH domain leucine-rich repeat protein phosphatase; PH domain leucine-rich repeat-containing protein phosphatase 1; PH domain leucine-rich repeat-containing protein phosphatase; PH domain-containing family E member 1; PHLP1_HUMAN; PHLPP1; Pleckstrin homology domain containing family E protein 1; Pleckstrin homology domain-containing family E member 1; Pleckstrin homology domain-containing family E protein 1; PLEKHE 1 protein; SCN circadian oscillatory protein; SCOP; SUPRACHIASMATIC NUCLEUS CIRCADIAN OSCILLATORY PROTEIN; Suprachiasmatic nucleus circadian protein.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Pig,Horse,Rabbit,
<b>Applications:</b>	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.
<b>Molecular weight:</b>	34kDa
<b>Cellular localization:</b>	The nucleuscytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human PHLP:51-150/301
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>Protein phosphatase that mediates dephosphorylation of 'Ser-473' of AKT1, 'Ser-660' of PRKCB isoform beta-II and 'Ser-657' of PRKCA. AKT1 regulates the balance between cell survival and apoptosis through a cascade that primarily alters the function of transcription factors that regulate pro- and antiapoptotic genes. Dephosphorylation of 'Ser-473' of AKT1 triggers apoptosis and suppression of tumor growth. Controls the phosphorylation of AKT2 and AKT3 more efficiently than that of AKT1. Dephosphorylation of PRKCA and PRKCB leads to their destabilization and degradation. Inhibits cancer cell proliferation and may act as a tumor suppressor. May act as a negative regulator of K-Ras signaling in membrane rafts.</p> <p><b>Subunit:</b> Forms a complex with the beta and gamma subunits of the GTP-binding protein, transducin.</p> <p><b>Similarity:</b> Belongs to the phosphatase family.</p> <p><b>SWISS:</b> Q13371</p> <p><b>Gene ID:</b> 5082</p> <p><b>Database links:</b></p> <p><a href="#">Entrez Gene: 5082</a>Human  <a href="#">Entrez Gene: 67466</a>Mouse  <a href="#">Entrez Gene: 64013</a>Rat  <a href="#">Omim: 604421</a>Human  <a href="#">SwissProt: Q13371</a>Human  <a href="#">SwissProt: Q9DBX2</a>Mouse  <a href="#">SwissProt: Q63737</a>Rat  <a href="#">Unigene: 271749</a>Human  <a href="#">Unigene: 620774</a>Human  <a href="#">Unigene: 30709</a>Mouse  <a href="#">Unigene: 51153</a>Rat</p>

**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 (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PHLP) Polyclonal Antibody, Unconjugated (SL5812R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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