



# PHLP1 Polyclonal Antibody

<b>Catalog No</b>	BYab-07823
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	PHLPP1 KIAA0606 PHLPP PLEKHE1 SCOP
<b>Protein Name</b>	PH domain leucine-rich repeat-containing protein phosphatase 1 (EC 3.1.3.16) (Pleckstrin homology domain-containing family E member 1) (PH domain-containing family E member 1) (Suprachiasmatic nucleus
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein
<b>Specificity</b>	PHLP1 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	188kD
<b>Cell Pathway</b>	Cytoplasm. Membrane; Peripheral membrane protein. Nucleus. In colorectal cancer tissue, expression is concentrated at the lateral membrane of epithelial cells.; [Isoform 2]: Cell membrane .
<b>Tissue Specificity</b>	In colorectal cancer tissue, expression is highest in the surface epithelium of normal colonic mucosa adjacent to the cancer tissue but is largely excluded from the crypt bases. Expression is lost or significantly decreased in 78% of tested tumors (at protein level). Ubiquitously expressed in non-cancerous tissues.
<b>Function</b>	apoptosis, circadian rhythm, cell death, programmed cell death, death, rhythmic process,
<b>Background</b>	PH domain and leucine rich repeat protein phosphatase 1(PHLPP1) Homo sapiens This gene encodes a member of the serine/threonine phosphatase family. The encoded protein promotes apoptosis by dephosphorylating and inactivating the serine/threonine kinase Akt, and functions as a tumor suppressor in multiple types of cancer. Increased expression of this gene may also play a role

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in obesity and type 2 diabetes by interfering with Akt-mediated insulin signaling. [provided by RefSeq, Dec 2011],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**