



PHLP1 Polyclonal Antibody

Catalog No	YP-Ab-07823
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	PHLPP1 KIAA0606 PHLPP PLEKHE1 SCOP
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	PHLP1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PhLP;1200011E13Rik;PhLP1;Pdcl1;PHLP_HUMAN;PDCL;PHLOP1;PHLP_MOUSE;PHLP_RAT;phosducin like;PHLPP1 KIAA0606 PHLPP PLEKHE1 SCOP;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
Observed Band	40 kDa
Calculated Molecular Weight	34 kDa
Cell Pathway	Cytoplasm. Membrane; Peripheral membrane protein. Nucleus. In colorectal cancer tissue, expression is concentrated at the lateral membrane of epithelial cells.; [Isoform 2]: Cell membrane .
Tissue Specificity	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.
Function	apoptosis, circadian rhythm, cell death, programmed cell death, death, rhythmic process,

Background

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 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