

### 30-1466: Anti-PDK1 / PDPK1 Polyclonal Antibody(Discontinued)

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human
Gene :	PDPK1
Gene ID :	5170
Uniprot ID :	O15530
Format :	Purified
Alternative Name :	PDPK1,PDK1
Isotype :	Rabbit IgG
Immunogen Information :	Peptide corresponding to the amino acids CIQEVWRQRYQSHPDAAVQ of human PDK1

#### Description

PDK1 (3-phosphoinositide-dependent kinase 1), also known as PDPK1, is a key mediator of biological responses downstream of insulin and other tyrosine kinase receptors, regulating cell survival, cell cycle control, protein translation, and glucose metabolism. PDK1, containing a C-terminal pleckstrin homology domain, is activated in a phosphatidyl inositol 3,4,5-trisphosphate-dependent manner and phosphorylates multiple signaling molecules, including PKB/Akt, PKC, p70S6 kinase, serum and glucocorticoid-induced kinase. In T cells, nucleation of TCR-induced signaling complex for NFkappaB activation pathway is another crucial role of PDK1. Subcellular localization of PDK1 depends on conditions and has not been completely understood.

#### Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

#### Application Note

**Western Blotting** *Recommended dilution:* 2 µg/ml