

**Name:** Rabbit Polyclonal Antibody against PDK2 (C-term)**Catalog:** TA302110**Product Data Sheet****Gene Name:** Homo sapiens pyruvate dehydrogenase kinase, isozyme 2 (PDK2), transcript variant 1**GeneBank accession:** NM\_002611  
**Isotype:** Rabbit Ig**Gene Synonym:** PDHK2; PDKII**Reactivity:** Human, Mouse, Rat**Immunogen:** This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-term region of human PDK2.**Components:**

- 100ug Rabbit Polyclonal Antibody against PDK2 (C-term) (TA302110)
- 1 vial of 20µg myc-DDK tagged PDK2 HEK293T over-expression lysate lyophilized in RIPA buffer (LC400923) (Reconstitute into 20 µl of 1x SDS sample buffer before loading)

**Concentration:** 0.25 mg/ml**Recommended application dilutions:**

WB: 1: 100–500

IHC: 1:50–100

ELISA: 1: 1,000;

**Storage Condition:**

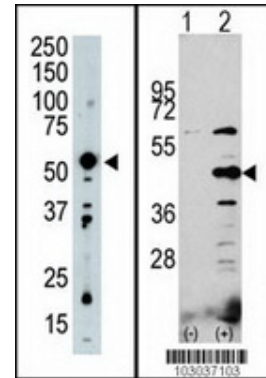
Shipped at 4C. Upon delivery store at -20C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

**Buffer:**

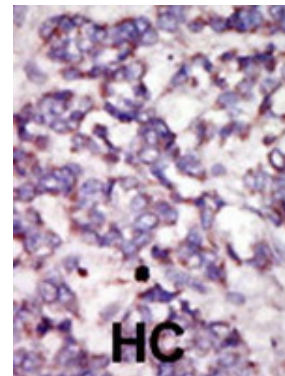
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

**Purification:** Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.**Background:**

PDK2 inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism.

**Validation Data:****Western Blot**

(LEFT) Western blot analysis of PDK2 Antibody (C-term) in mouse intestine tissue lysate (35µg/lane). PDK2 (arrow) was detected using the purified Pab. (RIGHT) Western blot analysis of PDK2 (arrow) using PDK2 Antibody (C-term). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the PDK2 gene (Lane 2) (Origene Technologies).

**IHC data**

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

**Related Product:**

TrueORF cDNA clones  
 VERIFY Tagged Antigen lysates  
 HuSH-29 shRNA  
 Western Blot reagents  
 Anti-myc/DDK tag antibodies

\* Peptide sequence of the DDK-tag (Flag®): N-DYKDDDDK-C Flag® is a registered trademark of Sigma-Aldrich

***This product is to be used for laboratory only. Not for diagnostic or therapeutic use.***