

Product datasheet for **AP02549PU-S**

PDPK1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Western Blot: 1/500 - 1/1000. Incubate membrane with diluted antibody in 5% nonfat milk, 1X TBS, 0,1% Tween-20 at 4°C with gentle shaking, overnight. Immunohistochemistry on paraffin sections: 1/50 - 1/100. Immunofluorescence: 1/100 - 1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic non-phosphopeptide derived from human PDK1 around the phosphorylation site of serine 241(A-N-SP-F-V).
Specificity:	PDK1 antibody detects endogenous levels of total PDK1 protein.
Formulation:	PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4 containing 150 mM NaCl, 0.02% Sodium Azide as preservative and 50% Glycerol as stabilizer. State: Aff - Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	3-phosphoinositide dependent protein kinase 1
Database Link:	Entrez Gene 5170 Human O15530

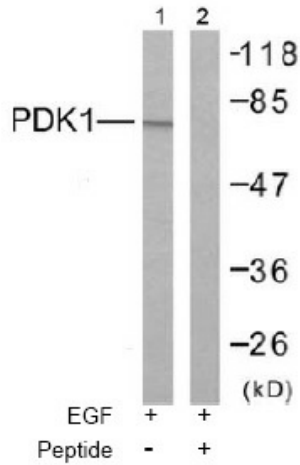


[View online »](#)

Background: Phosphorylates and activates not only PKB/AKT, but also PKA, PKC-zeta, RPS6KA1 and RPS6KB1. May play a general role in signaling processes and in development (By similarity). Isoform 3 is catalytically inactive.

Synonyms: PDK-1, PDK1, 3-phosphoinositide-dependent proteinkinase 1, hPDK1, PDPK1

Product images:



Western Blot analysis of extracts from MCF, 293 and PC12 cells using PDK1 antibody

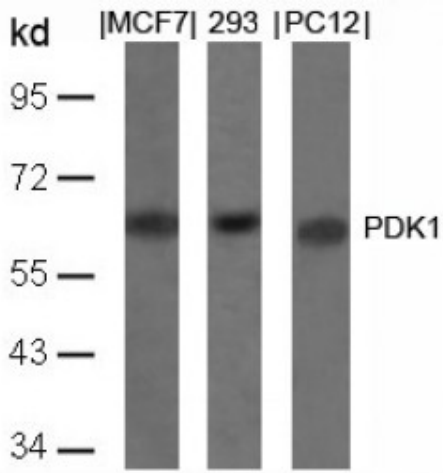
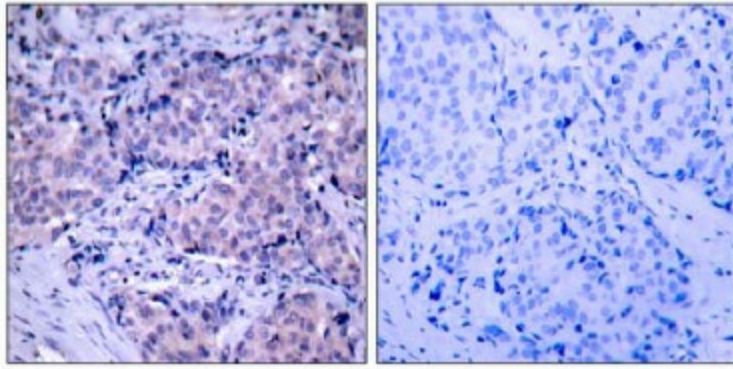
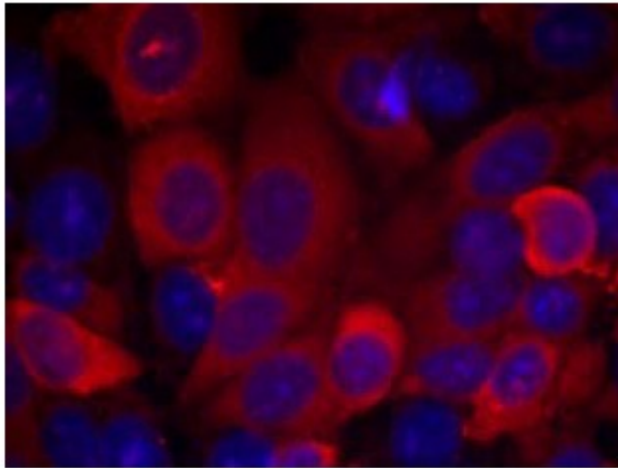


Figure 2. Western blot analysis of extracts from MDA-MB-435 cells using PDK1 antibody.



Peptide - +

Figure 1. Immunohistochemical analysis of paraffin- embedded human breast carcinoma tissue using PDK1 antibody.



Immunofluorescence staining of methanol-fixed MCF7 cells using PDK1 antibody