

Anti- PEK/PERK (Phospho-Thr981) Polyclonal Antibody



<u>Catalog No.</u>	<u>Size</u>
A100269-01	50 µl
A100269-02	100 µl

Specificity	Anti- PEK/PERK (Phospho-Thr981) (human mouse rat)
Source	Rabbit Polyclonal
Application	ELISA IHC
Form	Liquid, 1 mg/ml

Product

Swiss-Prot No.: Q9NZJ5

Other Names: E2AK3; EC 2.7.11.1; EIF2AK3; Eukaryotic translation initiation factor 2-alpha kinase 3 precursor; HsPEK; kinase PERK; Pancreatic eIF2-alpha kinase; PEK; PERK; PRKR-like endoplasmic reticulum kinase

Specificity and Sensitivity

PEK/PERK (Phospho-Thr981) antibody detects endogenous levels of PEK/PERK only when phosphorylated at threonine 981.

Source and Purification

The antiserum was produced against synthesized phosphopeptide derived from human PEK/PERK around the phosphorylation site of threonine 981 (R-H-T^P-G-Q).

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows:

IHC: 1:50~1:100 ELISA: 1:40000

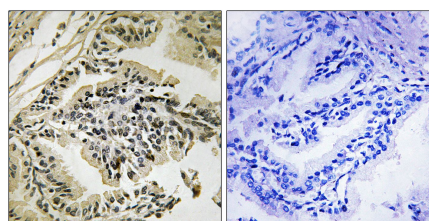
Storage Buffer

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage Instructions

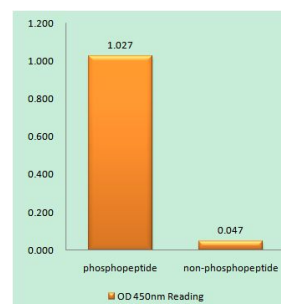
Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

Images



P-peptide - +

Immunohistochemistry analysis of paraffin-embedded human prostate carcinoma tissue using PEK/PERK (Phospho-Thr981) antibody.



PEK/PERK (Phospho-Thr981) antibody reacts with epitope-specific phosphopeptide and corresponding non-phosphopeptide. The absorbance readings at 450 nM are shown in the ELISA figure.