



PEK/PERK (Ab-981) Antibody

E11-8168B

Catalog Number: E11- 8168B

Concentration: 1mg/ml

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

Storage/Stability: Store at -20°C/1 year

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

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

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

Specificity: PEK/PERK (Ab-981) antibody detects endogenous levels of total PEK/PERK protein.

Reactivity: Human (Identities = 100%, Positives = 100%);
Mouse (Identities = 92%, Positives = 92%);
Rat (Identities = 92%, Positives = 92%)

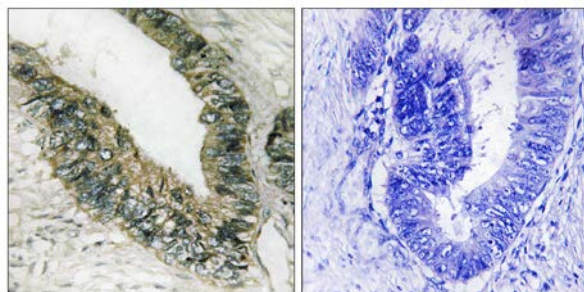
Applications: WB: 1:500~1:1000 IHC: 1:50~1:100
ELISA: 1:40000

References:

Shi Y., J. Biol. Chem. 274:5723-5730(1999).

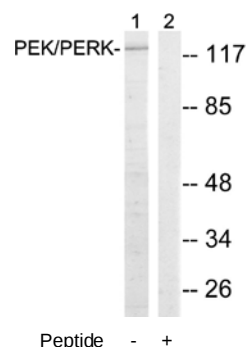
Sood R., Biochem. J. 346:281-293(2000).

Delepine M., Nat. Genet. 25-406-409(2000).



Peptide - +

Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue using PEK/PERK (Ab-981) antibody.



Peptide - +

Western blot analysis of extracts from MCF-7 cells, using PEK/PERK (Ab-981) antibody.

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