

Phospho-PERK (Thr980) Polyclonal Antibody

Catalog: BS65625

Host: Rabbit

Reactivity: Human, Mouse

Background:

The protein encoded by this gene phosphorylates the alpha subunit of eukaryotic translation-initiation factor 2 (EIF2), leading to its inactivation, and thus to a rapid reduction of translational initiation and repression of global protein synthesis. It is a type I membrane protein located in the endoplasmic reticulum (ER), where it is induced by ER stress caused by malformed proteins. Mutations in this gene are associated with Wolcott-Rallison syndrome. [provided by RefSeq, Jan 2010].

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 140 kDa

Swiss-Prot:

Q9NZJ5

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:100~1:200

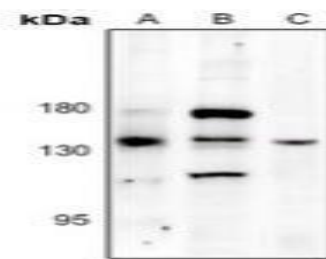
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

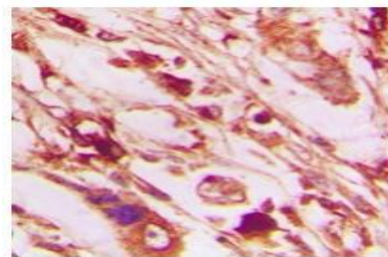
Specificity:

Phospho-PERK (Thr980) Polyclonal Antibody detects endogenous levels of Phospho-PERK protein only when phosphorylated at Thr980

DATA:



Western blot analysis of PERK (Phospho-T980) expression in A375 (A), MCF7 (B), mouse testis (C) whole cell lysates.



Immunohistochemical analysis of PERK (Phospho-T980) staining in human lung cancer formalin fixed paraffin embedded tissue section.

Note:

For research use only, not for use in diagnostic procedure.

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