

# Anti-Phospho-PERK (T982) Rabbit Polyclonal Antibody



**Catalog #: U0831**

## Aliases

PEK; PERK; Eukaryotic translation initiation factor 2-alpha kinase 3; PRKR-like endoplasmic reticulum kinase; Pancreatic eIF2-alpha kinase; HsPEK

## Background

Gene Name: EIF2AK3

NCBI Gene Entry: [9451](#)

UniProt Entry: [Q9NZJ5](#)

## Application Information

Molecular Weight: Predicted, 125 kDa; observed, 140 kDa

Clonality: Rabbit polyclonal antibody

Species Reactivity: Human, mouse

Applications Tested: Western blotting (WB), immunohistochemistry (IHC)

## Immunogen

A synthesized peptide derived from human Phospho-PERK (T982)

## Isotype

Rabbit IgG

## Storage Buffer

Supplied in PBS (pH 7.3) containing 30% glycerol, and 0.01% sodium azide.

## Storage

Store at -20 °C for one year.

## Recommended Dilutions

Western Blotting (WB): 1:500-1:1,000

Immunohistochemistry (IHC): 1:100-1:200

**Note:** This product is for research use only.

## Validation Data

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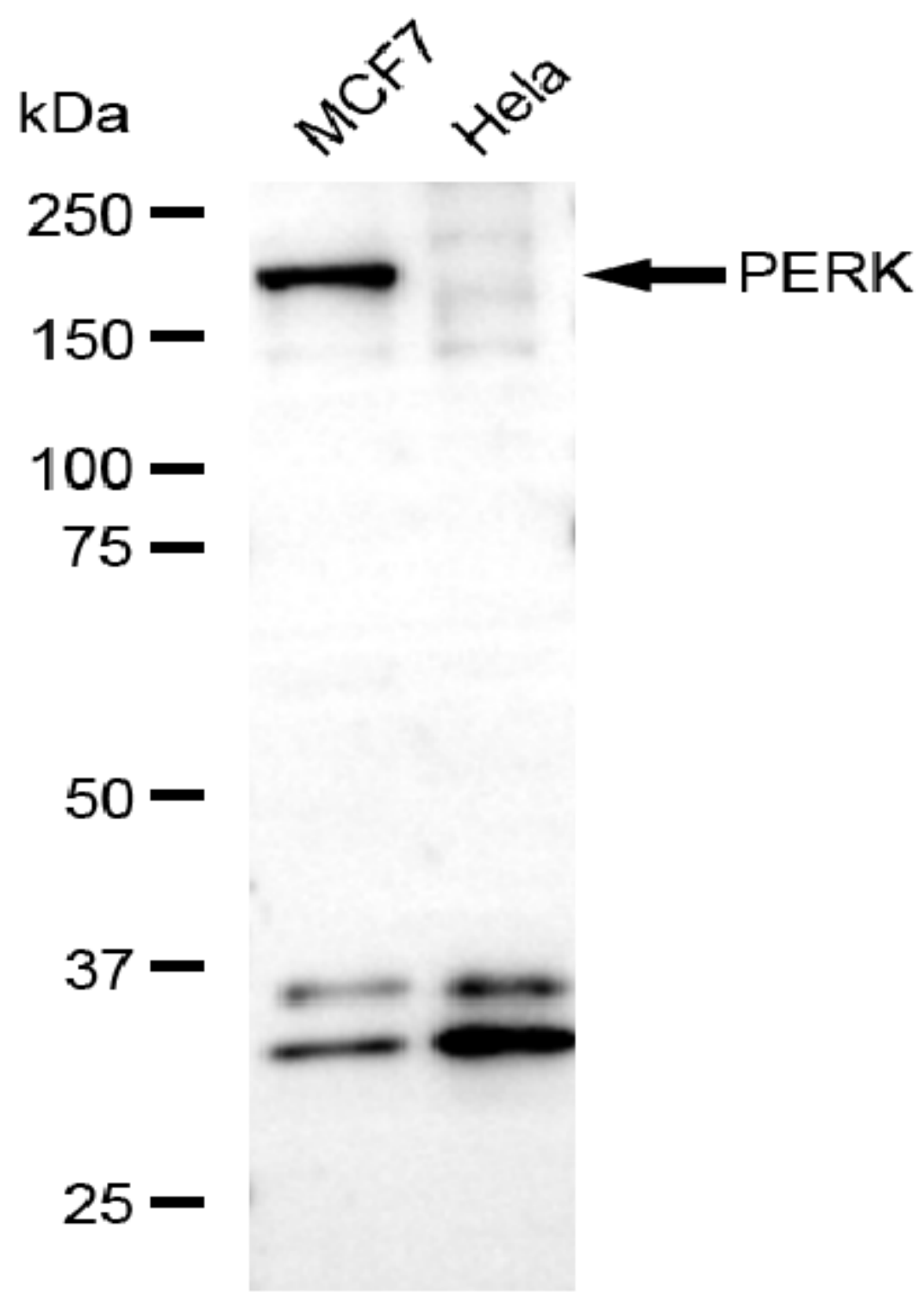
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SUPPORT@GENUINBIOTECH.COM  
TEL: +1-540-855-7041

### ORDERS

SALES@GENUINBIOTECH.COM  
FAX: +1-540-855-7041

[WWW.GENUINBIOTECH.COM](http://WWW.GENUINBIOTECH.COM)



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Western blotting analysis using anti-Phospho-PERK (T982) antibody (Cat#U0831). Total lysates (30 µg) were loaded and separated by SDS-PAGE. The blot was incubated with anti-Phospho-PERK (T982) antibody (Cat#U0831, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

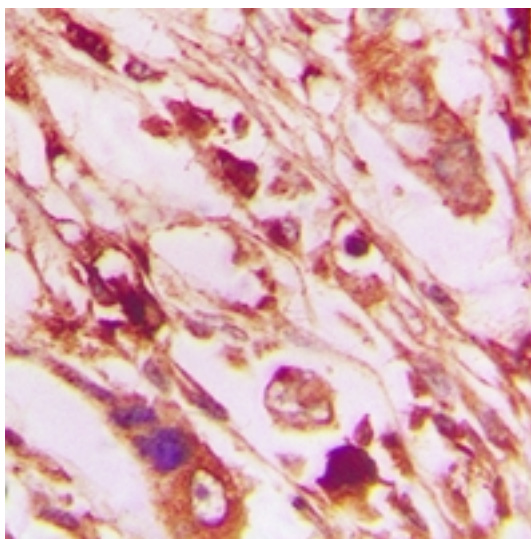
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Immunohistochemical analysis of PERK (Phospho-T982) staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.