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Anti-Phospho-PERK (T981) Rabbit Polyclonal Antibody

Catalog Number: P01992

Overview

Product Name	Anti-Phospho-PERK (T981) Rabbit Polyclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-PERK (T981) Rabbit Polyclonal Antibody catalog # P01992. Tested in IF, WB, IHC, ELISA applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC, WB
Clonality	Polyclonal
Formulation	Liquid in PBS containing 50% glycerol, 0.5% stabilizing protein and 0.02% sodium azide. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q9NZJ5

Technical Details

Immunogen	The antiserum was produced against synthesized peptide derived from human PEK/PERK around the phosphorylation site of Thr981. AA range:947-996
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	The antibody was affinity-purified from rabbit antiserum by affinity□chromatography using epitope-specific immunogen.
Suggested Dilutions	IF 1:50-200 WB 1:500-2000 IHC 1:100-1:300 ELISA 1:40000

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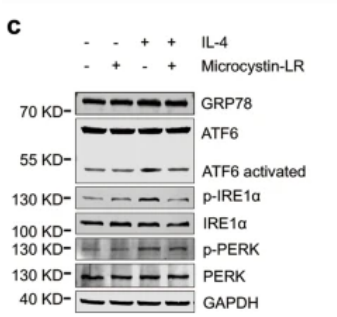
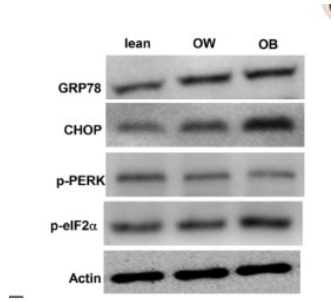
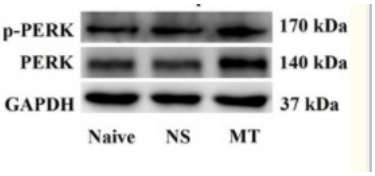
Anti-Phospho-PERK (T981) Rabbit Polyclonal Antibody (P01992) Images



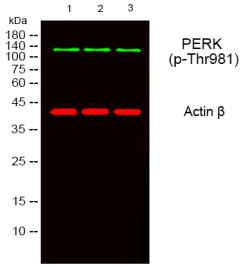
Western blot analysis of lysates from 1) 453, 2) AD293 , 3) Hela cells, (Green□ primary antibody was diluted at 1:1000, 4°over night, secondary antibody was diluted at 1:10000, 37° 1hour. (Red□ Actin beta Monoclonal Antibody (5B7) antibody was diluted at 1:5000 as loading control, 4° over night, secondary antibody was diluted at 1:10000, 37° 1hour.



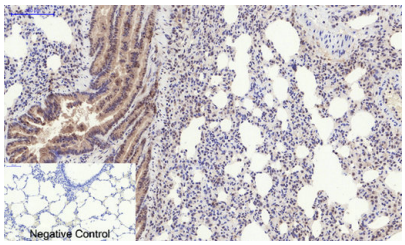
Immunohistochemical analysis of paraffin-embedded Rat-lung tissue. 1, PERK (phospho Thr981) Polyclonal Antibody was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20min). 3, Secondary antibody was diluted at 1:200 (room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue. 1, PERK (phospho Thr981) Polyclonal Antibody was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20min). 3, Secondary antibody was diluted at 1:200 (room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Mouse-kidney tissue. 1, PERK (phospho Thr981) Polyclonal Antibody was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20min). 3, Secondary antibody was diluted at 1:200 (room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunohistochemistry analysis of paraffin-embedded human prostate carcinoma, using PEK/PERK (Phospho-Thr981) Antibody. The picture on the right is blocked with the phospho peptide.

Immunofluorescence analysis of Hela cell. 1, PERK (phospho

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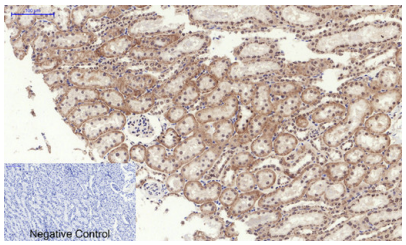
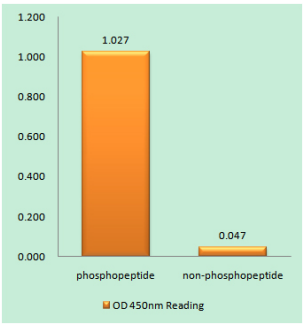


Thr981) Polyclonal Antibody (green) was diluted at 1:200 (4° overnight). 2, Goat Anti Rabbit Alexa Fluor 488 was diluted at 1:1000 (room temperature, 50min). 3 DAPI (blue) 10min.



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using PEK/PERK (Phospho-Thr981) Antibody

3 Publications Citing This Product

1. PubMed ID: 10.1002/jbmr.3388, Positive‐Feedback Regulation of Subchondral H‐Type Vessel Formation by Chondrocyte Promotes Osteoarthritis Development in Mice

2. PubMed ID: -, Pei-pei Fang,Chen-wei Pan,Wei Lin,Jie Li,Shan-shan Huang,Guang-yao Zhou,Wen-jun Du,Qiang Li, "ASK1 Enhances Angiotensin II-Induced Liver Fibrosis In Vitro by Mediating Endoplasmic Reticulum Stress-Dependent Exosomes",Mediators of Inflammation,vol.2020,Art

3. PubMed ID: 27293989, Recombinant Newcastle disease virus (rL-RVG) triggers autophagy and apoptosis in gastric carcinoma cells by inducing ER stress

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