

PERK (Phospho-Thr 981) Antibody

Catalog No: #12814

Package Size: #12814-1 50ul #12814-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	PERK (Phospho-Thr 981) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity purification using immunogen.
Applications	WB
Species Reactivity	Human;Mouse;Rat
Specificity	p-PERK (Phospho-Thr 981) Antibody detects endogenous levels of total p-PERK at Thr 981.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human TIF-IA around the phosphorylation site of Ser334.
Conjugates	Unconjugated
Target Name	p-PERK (Phospho-Thr 981)
Modification	Phospho
Other Names	EIF2AK3, HRI, HsPEK, Pancreatic eIF2-alpha kinase, PEK, PERK, PKR-like ER kinase, WRS
Accession No.	Swiss-Prot#: Q9NZJ5NCBI Gene ID: 9451
Target Species	human
Calculated MW	125 kDa
Concentration	1.0mg/mL
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:1000-3000

Published Papers

Kim HJ1, Joe Y1, Kim SK et al et al., Carbon monoxide protects against hepatic steatosis in mice by inducing sestrin-2 via the PERK-eIF2 α -ATF4 pathway., Epub, 2017 Sep;110:81-91. doi: 10.1016/j.freeradbiomed.2017.05.026.(2017--31)

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et al., Deficiency of fibroblast growth factor 21 aggravates obesity-Induced atrophic responses In skeletal muscle. In J Inflamm (Lond) on 2019 Jul 4 by Kim CS, Joe Y, et al..PMID:31312114, , (2019)

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et al., High glucose and bupivacaine?Induced cytotoxicity is mediated by enhanced apoptosis and impaired autophagy via the PERK?ATF4?CHOP and IRE1?TRAF2 signalling pathways. In Mol Med Rep on 2019 Sep by Liu Y, Sun L, et al..PMID:31524237, , (2019)

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el at., Suppressing endoplasmic reticulum stress-related autophagy attenuates retinal light injury. In Aging (Albany NY) on 2020 Aug 28 by Jing-Yao Song, Bin Fan, et al.. PMID: 32858529, , (2020)

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el at., 5i ζ itoi ?i ?3i ζ henylpropylamino) benzoic acid induces apoptosis of human lens epithelial cells via reactive oxygen species and endoplasmic reticulum stress through the mitochondrial apoptosis pathway. In Int J Mol Med on 2021 Apr by Lingzhi Niu, Xin Liu, et al.. PMID:33604681, , (2021)

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el at., η¹-Glutamylcysteine Alleviates Ischemic Stroke-Induced Neuronal Apoptosis by Inhibiting ROS-Mediated Endoplasmic Reticulum Stress. In Oxid Med Cell Longev on 2021 Nov 16 by Hui-Qin Li, Sheng-Nan Xia, et al.. PMID:34824669, , (2021)

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el at., PERK Activation by SB202190 Attenuates Amyloidogenesis via TFEB-induced Autophagy-Lysosomal Pathway, , (2021)

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el at., Malondialdehyde-Acetaldehyde Extracellular Matrix Protein Adducts Attenuate Unfolded Protein Response During Alcohol and Smoking β Induced Pancreatitis. In Gastroenterology on 2022 Oct by Rakesh Bhatia, Christopher M Thompson, et al.. PMID: 35788346, , (2022)

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el at., PERK activation by SB202190 ameliorates amyloidogenesis via the TFEB-induced autophagy-lysosomal pathway. In Aging (Albany NY) on 2022 Feb 15 by Mihyang Do, Jeongmin Park, et al.. PMID:35166693, , (2022)

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el at., The Mitochondrial PHB2/OMA1/DELE1 Pathway Cooperates with Endoplasmic Reticulum Stress to Facilitate the Response to Chemotherapeutics in Ovarian Cancer. In Int J Mol Sci on 2022 Jan 25 by Meiyu Cheng, Huimei Yu, et al.. PMID: 35163244, , (2022)

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el at., Activation of ROS-PERK-TFEB by filbertone ameliorates neurodegenerative diseases via enhancing the autophagy-lysosomal pathway. In J Nutr Biochem On 2023 Aug by Jeongmin Park, Jeong Heon Gong et al.. PMID:36958418, , (2023)

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PMID:39378914

Note: This product is for in vitro research use only and is not intended for use in humans or animals.