

PERK (Phospho-Thr982) Polyclonal Antibody

Catalog No: #12379

Package Size: #12379-1 50ul #12379-2 100ul

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

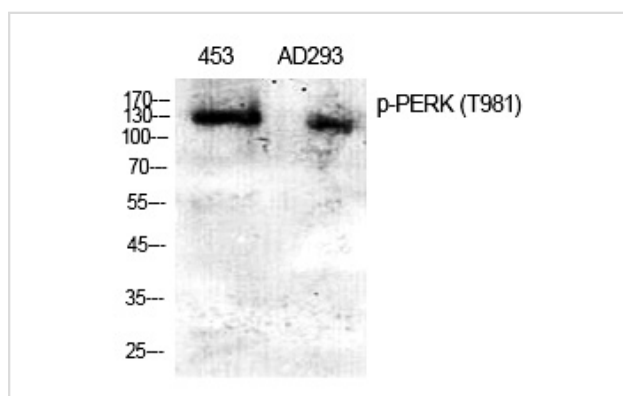
Description

Product Name	PERK (Phospho-Thr982) Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB;IHC;IF
Species Reactivity	Human;Mouse;Rat
Specificity	Phospho-PERK (T981) Polyclonal Antibody detects endogenous levels of PERK protein only when phosphorylated at T981.
Immunogen Description	Synthesized peptide derived from human PERK around the phosphorylation site of T981.
Conjugates	Unconjugated
Target Name	PERK
Modification	Phospho
Other Names	EIF2AK3; PEK; PERK; Eukaryotic translation initiation factor 2-alpha kinase 3; PRKR-like endoplasmic reticulum kinase; Pancreatic eIF2-alpha kinase; HsPEK
Accession No.	Swiss-Prot: Q9NZJ5NCBI Gene ID: 9451
Target Species	human
SDS-PAGE MW	130kd
Concentration	1mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C/1 year

Application Details

WB:1:500 - 1:2000; IHC:1:100 - 1:300; IF:1:50 - 1:200

Images



Western Blot analysis of 453 AD293 cells using Phospho-PERK (T981) Polyclonal Antibody

Published Papers

el at., 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)

[PMID:31524237](#)

el at., Ginsenosides reduce body weight and ameliorate hepatic steatosis in high fat diet?induced obese mice via endoplasmic reticulum stress and p?STAT3/STAT3 signaling.In Mol Med Rep on 2020 Mar; by Yao Y et al..PMID:32016448, , (2020)

[PMID:32016448](#)

el at., Qing Hua Chang Yin ameliorates chronic colitis in mice by inhibiting PERK β ATF4 β CHOP pathway of ER stress and the NF- κ B signalling pathway. In Pharm Biol on 2024 Dec by Liya Liu, Youqin Chen,et al..PMID:39034914, , (2024)

[PMID:39034914](#)

Yu Zhang;Yan Liu;Yinxing Zhou;Ziming Zheng;Wenqi Tang;Mengzi Song;Jinglin Wang;Kaiping Wang el at., Lentinan inhibited colon cancer growth by inducing endoplasmic reticulum stress-mediated autophagic cell death and apoptosis, , (2021)

[PMID:34119128](#)

Lei Chen;Xia Zhao;Rui Sheng;Philip Lazarovici;Wenhua Zheng el at., Artemisinin alleviates astrocyte overactivation and neuroinflammation by modulating the IRE1/NF- κ B signaling pathway in in vitro and in vivo Alzheimer's disease models., , (2025)

[PMID:39826816](#)

Ran Hao;Xiaolei Gao;Qi Lu;Tong Zhao;Xinxin Lu;Fuping Zhang;Yanjiao Pei;Jiqing Lang;Huanhuan Liu;Jinggui Song;Zhaohui Zhang el at., CUMS induces depressive-like behaviors and cognition impairment by activating the ERS-NLRP3 signaling pathway in mice., , (2025)

[PMID:39378914](#)

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