

Nur für Forschungszwecke

PERK/EIF2AK3 Polyklonaler Antikörper



Katalog-Nr.: 20582-1-AP

Vorgestelltes Produkt

73 Publikationen

Allgemeine Informationen

Katalog-Nr.: 20582-1-AP	GenBank-Zugangsnummer: NM_004836	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 500 µg/ml von Nanodrop;	GeneID (NCBI): 9451	Empfohlene Verdünnungen: WB 1:500-1:2000 IHC 1:50-1:500 IF 1:10-1:100
Wirt: Kaninchen	Vollständiger Name: eukaryotic translation initiation factor 2-alpha kinase 3	
Isotyp: IgG	Berechnete Masse: 125 kDa	
	Beobachtete Masse: 140 kDa	

Anwendungen

Geprüfte Anwendungen: IF, IHC, WB, ELISA	Positivkontrollen: WB : HEK-293-Zellen, HepG2-Zellen, MCF-7-Zellen IHC : humanes Pankreaskarzinomgewebe, IF : HeLa-Zellen,
In Publikationen genannte Anwendungen: IF, IHC, WB	
Getestete Reaktivität: Human	
Zitierte Arten: Hausschwein, Human, Rind	
Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.	

Hintergrundinformationen

PERK, also named as EIF2AK3 or PEK, belongs to the protein kinase superfamily, Ser/Thr protein kinase family and GCN2 subfamily. It acts potentially as a metabolic sensor in the INS-secreting beta-cells to modulate the trafficking and quality control of pro-INS in the ER relative to the physiological demands for circulating INS (PMID:20530744). PERK and EIF2AK4 also have a functional role on regulating translation under non-stressed conditions, apart from their long established roles as stress kinases (PMID: 21638082). Defects in EIF2AK3 are the cause of Wolcott-Rallison syndrome (WRS). The molecular mass of PERK is 125 kDa and can be detected as 140 kDa or 170 kDa due to some modifications such as glycosylation and phosphorylation (PMID: 20851775, 24371088, 21703327). This antibody is specific to PERK.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Han Liao	26415619	Chem Biol Interact	WB
Samusi Adediran	36230550	Cancers (Basel)	WB
Yu Chen	34592660	Cell Calcium	WB

Lagerung

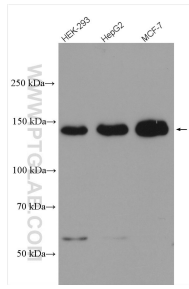
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

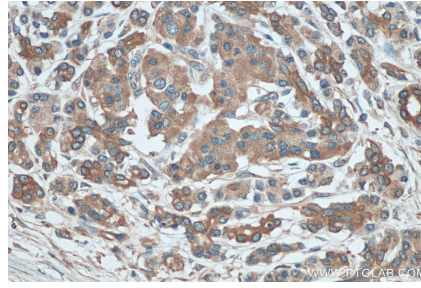
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

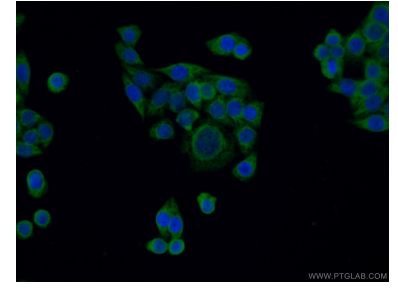
Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 20582-1-AP (PERK/EIF2AK3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 20582-1-AP (PERK/EIF2AK3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HeLa cells using 20582-1-AP (PERK/EIF2AK3 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).