

Nur für Forschungszwecke

PERK/EIF2AK3 Polyklonaler Antikörper



Katalog-Nr.: 24390-1-AP

65 Publikationen

Allgemeine Informationen

Katalog-Nr.: 24390-1-AP	GenBank-Zugangsnummer: BC126354	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 800 µg/ml von Nanodrop;	GeneID (NCBI): 9451	Empfohlene Verdünnungen: WB 1:500-1:3000 IHC 1:50-1:500
Wirt: Kaninchen	Vollständiger Name: eukaryotic translation initiation factor 2-alpha kinase 3	
Isotyp: IgG	Berechnete Masse: 1116 aa, 125 kDa	
Immunogen Katalognummer: AG18254	Beobachtete Masse: 140 kDa	

Anwendungen

Geprüfte Anwendungen: FC, IHC, WB, ELISA	Positivkontrollen: WB : HeLa-Zellen, HepG2-Zellen, MCF-7-Zellen IHC : humanes Leberkarzinomgewebe,
In Publikationen genannte Anwendungen: IF, IHC, WB	
Getestete Reaktivität: Human	
Zitierte Arten: Hausschwein, Human, Maus, Ratte	
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 as a metabolic-stress sensing protein kinase that phosphorylates the alpha subunit of eukaryotic translation initiation factor 2 (EIF2S1/ eIF-2-alpha) in response to various stress conditions. 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 170kDa due to some modifications such as glycosylation and phosphorylation (PMID: 20851775, 24371088, 21703327).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Jun Shao	28950253	Cell Physiol Biochem	WB
Yu Sun	34562065	J Cell Mol Med	WB
Yaoyao Bian	36121296	Pharm Biol	WB

Lagerung

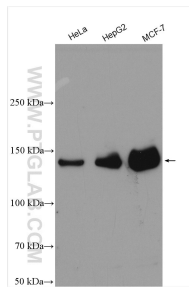
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

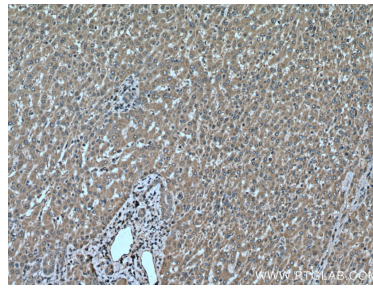
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

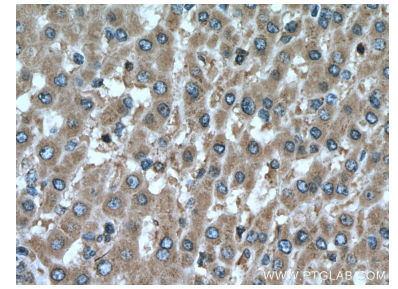
Ausgewählte Validierungsdaten



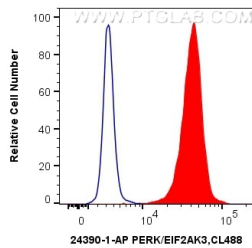
Various lysates were subjected to SDS PAGE followed by western blot with 24390-1-AP (PERK/EIF2AK3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 24390-1-AP (PERK/EIF2AK3 antibody) at dilution of 1:200 (under 10x lens)..



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 24390-1-AP (PERK/EIF2AK3 antibody) at dilution of 1:200 (under 40x lens)..



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human PERK/EIF2AK3 (24390-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Intracellular Staining Permeabilization Wash Buffer.