

Nur für Forschungszwecke

Phospho-ULK1 (Thr468) Polyklonaler Antikörper



Katalog-Nr.: 29006-1-AP

1 Publikationen

Allgemeine Informationen

Katalog-Nr.: 29006-1-AP	GenBank-Zugangsnummer: NM_003565	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 100ul, Konzentration: 450 µg/ml von Nanodrop;	GeneID (NCBI): 8408	Empfohlene Verdünnungen: WB 1:1000-1:8000
Wirt: Kaninchen	Vollständiger Name: unc-51-like kinase 1 (C. elegans)	
Isotyp: IgG	Beobachtete Masse: 130-140 kDa	

Anwendungen

Geprüfte Anwendungen: WB, ELISA	Positivkontrollen: WB : Mit λ-Phosphatase behandelte HeLa-Zellen,
In Publikationen genannte Anwendungen: WB	
Getestete Reaktivität: Human	
Zitierte Arten: Ratte	

Hintergrundinformationen

Unc-51-like-kinase 1 (ULK1) is a target of both the mechanistic target of rapamycin (mTOR) and AMP activated protein kinase (AMPK), whose role is to facilitate the initiation of autophagy in response to starvation. ULK1 is phosphorylated on serine 638 and 758 sites by mTOR in nutrient-rich conditions, inhibiting ULK1 activation by disrupting its binding to AMPK. Upon glucose starvation, dissociation of mTOR from ULK1 and phosphorylation by AMPK leads to the activation of ULK1 activity. S467, S556, and T574 are sites responsible for regulating mitochondrial homeostasis during starvation. (PMID: 30517873, PMID: 21258367)

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yi Zhou	35934162	Brain Res Bull	WB

Lagerung

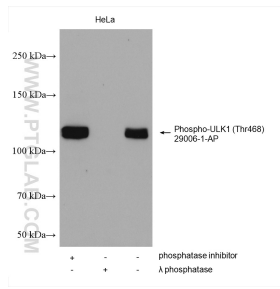
Lagerungsbedingungen:
Bei -20°C lagern.
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

For technical support and original validation data for this product please contact:
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Ausgewählte Validierungsdaten



Non-treated HeLa, phosphatase inhibitor treated and λ phosphatase treated HeLa cells were subjected to SDS PAGE followed by western blot with 29006-1-AP (Phospho-ULK1 (Thr468) antibody) at dilution of 1:4000 incubated at room temperature for 1 hours.