

Nur für Forschungszwecke

Phospho-ULK1 (Ser556) Rekombinanter Antikörper



Katalog-Nr.: 80218-1-RR **7 Publikationen**

Allgemeine Informationen

Katalog-Nr.: 80218-1-RR	GenBank-Zugangsnummer: NM_003565	Reinigungsmethode: Protein-A-Reinigung
Größe: 100ul, Konzentration: 500 µg/ml von Nanodrop;	GeneID (NCBI): 8408	CloneNo.: 2F5
Wirt: Kaninchen	Vollständiger Name: unc-51-like kinase 1 (C. elegans)	Empfohlene Verdünnungen: WB 1:2000-1:10000
Isotyp: IgG	Beobachtete Masse: 140 kDa	

Anwendungen

Geprüfte Anwendungen: FC, WB, ELISA	Positivkontrollen: WB: PC-3-Zellen, HeLa-Zellen, Mit Calyculin A behandelte HeLa-Zellen, Mit Calyculin A behandelte PC-3-Zellen
In Publikationen genannte Anwendungen: IHC, WB	
Getestete Reaktivität: Human, Maus	
Zitierte Arten: Human, Maus, Ratte, Ziege	

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. The S556 site of ULK1 is one of the major AMPK-dependent phosphorylation sites. (PMID: 30517873, PMID: 21258367)

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Dominic Gross	36302750	Cell Death Dis	WB
Feng Xiaoli	34492938	J Hazard Mater	WB
Junli Zhang	35293266	Bioengineered	WB

Lagerung

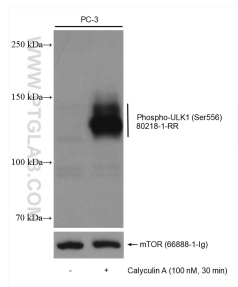
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

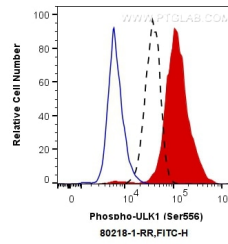
For technical support and original validation data for this product please contact:
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Ausgewählte Validierungsdaten



Non-treated and Calyculin A treated PC-3 cells were subjected to SDS PAGE followed by western blot with 80218-1-RR (Phospho-ULK1 (Ser556) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with mouse anti-mTOR antibody 66888-1-Ig as loading control.



1×10^6 PC-3 cells untreated (dashed lines) or treated with Calyculin A (red) were intracellularly stained with 0.5 μ g Anti-Human Phospho-ULK1 (Ser556) (80218-1-RR, Clone:2F5) and CoraLite[®] 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000, or 0.5 μ g Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.