

À des fins de recherche uniquement

Anticorps Recombinant de lapin anti-Phospho-ULK1 (Ser556)



Numéro de catalogue: 80218-1-RR

9 Publications

Informations de base

Numéro de catalogue:

80218-1-RR

Taille:

100ul, Concentration: 500 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Numéro d'acquisition GenBank:

NM_003565

Identification du gène (NCBI):

8408

Nom complet:

unc-51-like kinase 1 (C. elegans)

MW observés:

140 kDa

Méthode de purification:

Purification par protéine A

CloneNo.:

2F5

Dilutions recommandées:

WB 1:2000-1:10000

Applications

Applications testées:

FC, WB, ELISA

Demandes citées:

IHC, WB

Spécificité de l'espèce:

Humain, souris

Espèces citées:

Chèvre, Humain, rat, souris

Contrôles positifs:

WB : cellules PC-3, cellules HeLa, cellules HeLa traitées à la calyculine A, cellules PC-3 traitées à la calyculine A

Informations générales

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)

Publications notables

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

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

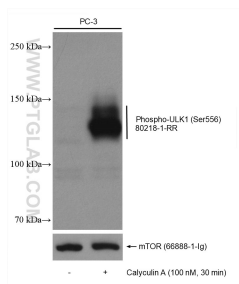
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

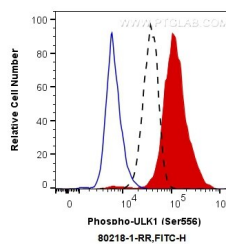
E: proteintech@ptglab.com
W: ptglab.com

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

Données de validation sélectionnées



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 tripped and re-blotted with mouse anti-mTOR antibody 66888-1-Ig as loading control.



1X10⁶ PC-3 cells untreated (dashed lines) or treated with Calyculin A (red) were intracellularly stained with 0.5 ug 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 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.