

À des fins de recherche uniquement

Anticorps Recombinant de lapin anti-Phospho-Hamartin/TSC1 (Ser511)



Numéro de catalogue: 80340-1-RR

Informations de base

Numéro de catalogue: 80340-1-RR	Numéro d'acquisition GenBank: NM_000368	Méthode de purification: Purification par protéine A
Taille: 100ul , Concentration: 500 µg/ml by Nanodrop;	Identification du gène (NCBI): 7248	CloneNo.: 3N6
Hôte: Lapin	Nom complet: tuberous sclerosis 1	Dilutions recommandées: WB 1:5000-1:50000
Isotype: IgG	MW calculé 130 kDa	
	MW observés: 150 kDa	

Applications

Applications testées:
FC, WB, ELISA
Spécificité de l'espèce:
Humain, souris

Contrôles positifs:

WB : cellules NIH/3T3, cellules HEK-293 traitées à la calyculine A, cellules HeLa, cellules HeLa traitées à la calyculine A, cellules NIH/3T3 traitées à la calyculine A

Informations générales

TSC1, also named as Hamartin, is a tumor suppressor gene syndrome whose manifestations can include seizures, mental retardation, autism, and tumors in the brain, retina, kidney, heart, and skin. The tuberous sclerosis 1 (TSC1)/TSC2 tumor suppressor complex serves as a repressor of the mTOR pathway, and disruption of TSC1/TSC2 complex function may contribute to tumorigenesis. TSC1 is phosphorylated by IKKb at Ser487 and Ser511 in vitro and in vivo, and phosphorylation at these sites enhances dissociation of the TSC1/TSC2 complex, which in turn induces mTOR activation. (PMID: 17693255). TSC1 is also threonine-phosphorylated at three sites (Thr417, Ser584, and Thr1047) in a reaction catalyzed by cyclin-dependent kinase 1 (CDK1) (PMID: 14551205).

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.

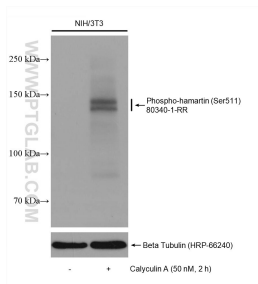
For technical support and original validation data for this product please contact:

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

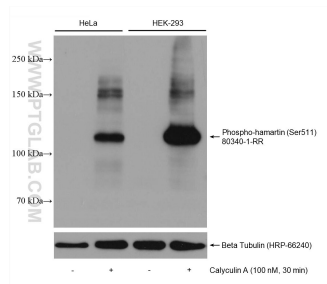
E: proteintech@ptglab.com
W: ptglab.com

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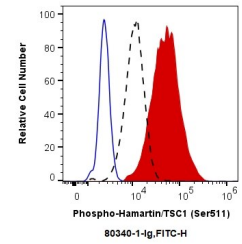
Données de validation sélectionnées



Non-treated and Calyculin A treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 80340-1-RR (Phospho-Hamartin/TSC1 (Ser511) Antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Non-treated and Calyculin A treated HeLa and HEK-293 cells were subjected to SDS PAGE followed by western blot with 80340-1-RR (Phospho-Hamartin/TSC1 (Ser511) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1X10⁶ HeLa cells untreated (dashed lines) and Calyculin A treated (red) were intracellularly stained with 0.5 ug Anti-Human Phospho-Hamartin/TSC1 (Ser511) (80340-1-RR, Clone:3N6) 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 50% MeOH.