

Nur für Forschungszwecke

Phospho-Hamartin/TSC1 (Ser511) Rekombinanter Antikörper



Katalog-Nr.: CL555-80340

Allgemeine Informationen

Katalog-Nr.: CL555-80340	GenBank-Zugangsnummer: NM_000368	Reinigungsmethode: Protein-A-Reinigung
Größe: 100ul, Konzentration: 1000 µg/ml von 7248	GeneID (NCBI): 7248	CloneNo.: 3N6
Nanodrop;	Vollständiger Name: tuberous sclerosis 1	Anregungs-/Emissionsmaxima-Wellenlängen: 557 nm / 570nm
Wirt: Kaninchen	Berechnete Masse: 130 kDa	
Isotyp: IgG	Beobachtete Masse: 150 kDa	

Anwendungen

Geprüfte Anwendungen:
FC (Intra)

Getestete Reaktivität:
Human, Maus

Hintergrundinformationen

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).

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.

Lagerungspuffer:
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.

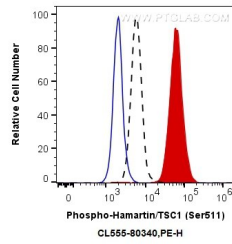
Aliquotieren ist nicht notwendig bei -20°C Lagerung

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

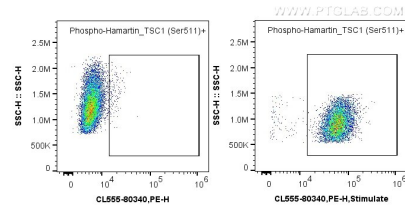
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Ausgewählte Validierungsdaten



1X10⁶ HeLa cells untreated (dashed lines) or treated with Calyculin A (red) were intracellularly stained with 0.5 ug CoraLite®555 Anti-Human Phospho-Hamartin/TSC1 (Ser511) (CL555-80340, Clone:3N6) (red), or 0.5 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with 50% MeOH.



1X10⁶ HeLa cells untreated (left) or treated with Calyculin A (right) were intracellularly stained with 0.5 ug CoraLite®555 Anti-Human Phospho-Hamartin/TSC1 (Ser511) (CL555-80340, Clone:3N6) (red), or 0.5 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with 50% MeOH.