

Nur für Forschungszwecke

# Phospho-Hamartin/TSC1 (Ser511) Rekombinanter Antikörper



Katalog-Nr.:80340-1-RR

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 80340-1-RR	<b>GenBank-Zugangsnummer:</b> NM_000368	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 100ul , Konzentration: 500 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 7248	<b>CloneNo.:</b> 3N6
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> tuberous sclerosis 1	<b>Empfohlene Verdünnungen:</b> WB 1:5000-1:50000
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 130 kDa	
	<b>Beobachtete Masse:</b> 150 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> FC, WB, ELISA	<b>Positivkontrollen:</b> WB : NIH/3T3-Zellen, HeLa-Zellen, Mit Calyculin A behandelte HEK-293-Zellen, Mit Calyculin A behandelte HeLa-Zellen, mit Calyculin A behandelte NIH/3T3-Zellen
<b>Getestete Reaktivität:</b> 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. 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

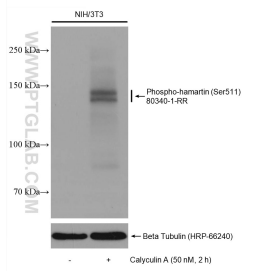
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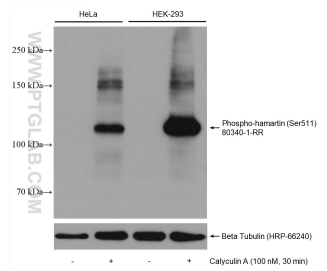
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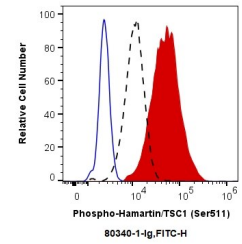
## Ausgewählte Validierungsdaten



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.



$1 \times 10^6$  HeLa cells untreated (dashed lines) and Calyculin A treated (red) were intracellularly stained with 0.5  $\mu$ g 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  $\mu$ g Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with 50% MeOH.