

Nur für Forschungszwecke

Phospho-MST1 (Thr183)/MST2 (Thr180) Polyklonaler Antikörper



Katalog-Nr.: 28953-1-AP

2 Publikationen

Allgemeine Informationen

Katalog-Nr.: 28953-1-AP	GenBank-Zugangsnummer: BC005231	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 100ul, Konzentration: 400 µg/ml von Nanodrop;	GeneID (NCBI): 6789	Empfohlene Verdünnungen: WB 1:500-1:2000
Wirt: Kaninchen	Vollständiger Name: serine/threonine kinase 4	
Isotyp: IgG	Berechnete Masse: 56 kDa	
	Beobachtete Masse: 52-56 kDa	

Anwendungen

Geprüfte Anwendungen: WB, ELISA	Positivkontrollen: WB : mit Staurosporin behandelte Ramos-Zellen,
In Publikationen genannte Anwendungen: WB	
Getestete Reaktivität: Human	
Zitierte Arten: Human	

Hintergrundinformationen

Mammalian STE20-like serine-threonine kinase MST1, encoded by the STK4 gene, is a multifunctional protein. MST1 and its closest paralogs MST2 (encoded by the STK3 gene), MST3, and MST4 are members of the Class II Germinal Center Family of Protein Kinases. MST1/2 and LATS1/2 (large tumor suppressor 1 and 2) are core kinase components of the Hippo tumor suppressor pathway in mammals. In the conventional Hippo pathway, the MST1/2 and LATS1/2 signaling cascade phosphorylates and inactivates the transcriptional coactivator YAP1 (yes associated protein 1) and its close paralog WWTR1. YAP1 and WWTR1 do not have DNA binding domains and they exert their biological outputs, such as cell proliferation and survival, by interacting with the TEAD1-4 transcription factors. Lines of evidence have indicated that dysregulation or loss of STK4/Hippo signaling is linked to developmental disorders and carcinogenesis with poor prognosis. MST1 is a stress-induced kinase and it can be activated in response to cell-death inducers. Autophosphorylation of MST1 at Thr183 (Thr180 in MST2) in the activation loop is a key activation mechanism for MST1/2 because phosphorylation of Thr183/180 causes the cleavage of MST1 by caspases under apoptotic conditions.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yifang Hu	37151881	Int J Biol Sci	WB
Weidan Fang	36735162	Discov Oncol	WB

Lagerung

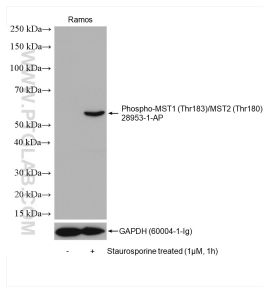
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 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 Ramos and Staurosporine treated Ramos cells were subjected to SDS PAGE followed by western blot with 28953-1-AP (Phospho-MST1 (Thr183)/MST2 (Thr180) antibody) at dilution of 1:1000 incubated at 4°C overnight. The membrane was stripped and re-blotted with GAPDH antibody as loading control.