

Nur für Forschungszwecke

Phospho-MARCKS (Ser167/170) Polyklonaler Antikörper



Katalog-Nr.: 29145-1-AP

Allgemeine Informationen

Katalog-Nr.: 29145-1-AP	GenBank-Zugangsnummer: BC089040	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 100ul, Konzentration: 900 µg/ml von Nanodrop;	GeneID (NCBI): 4082	Empfohlene Verdünnungen: WB 1:2000-1:10000
Wirt: Kaninchen	Vollständiger Name: myristoylated alanine-rich protein kinase C substrate	
Isotyp: IgG	Berechnete Masse: 32 kDa	
	Beobachtete Masse: 80 kDa	

Anwendungen

Geprüfte Anwendungen: WB, ELISA	Positivkontrollen: WB : Mit λ-Phosphatase behandelte HeLa-Zellen,
Getestete Reaktivität: Human	

Hintergrundinformationen

The Myristoylated Alanine Rich C-Kinase Substrate (MARCKS) is a ubiquitous, highly conserved protein among vertebrates, which is essential for postnatal survival, and has been widely studied for its functions in the brain and nervous system. Being highly expressed in nervous tissue, particularly during early development but persisting in the adult, it plays numerous roles related to brain growth, neuronal migration, neurite outgrowth, neurotransmitter release, and synaptic plasticity. Protein kinase C (PKC) phosphorylates MARCKS, which converts MARCKS from a membrane-bound protein to a cytoplasmic protein. The phosphorylation site of MARCKS protein is called the effector domain (ED). Its structure is highly conserved. It can be combined with cell membrane, PKC, calcium/calmodulin-dependent kinases (CaMK) and F-actin. Studies have shown that increased membrane-bound, non-phosphorylated MARCKS might be conducive to the stabilization of synaptic morphology. Phosphorylated MARCKS protein (P-MARCKS) can regulate the stability of actin network and alter the synaptic structure. (PMID: 30655546, PMID: 30155805)

Lagerung

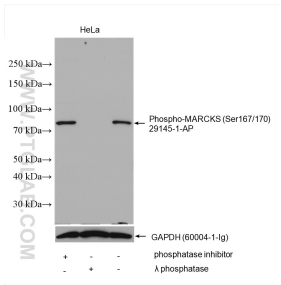
Lagerungsbedingungen:
Bei -20°C lagern.
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Ausgewählte Validierungsdaten



Non-treated HeLa cells, phosphatase inhibitor treated and λ phosphatase treated HeLa cells were subjected to SDS PAGE followed by western blot with 29145-1-AP (Phospho-MARCKS (Ser167/170) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.