À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-Phospho-MARCKS (Ser159/163)

Numéro de catalogue:29103-1-AP

Informations de base

Numéro de catalogue:
29103-1-AP

Taille:
100ul , Concentration: 350 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Numéro d'acquisition GenBank:
BC089040

Identification du gène (NCBI):
4082

Nom complet:
myristoylated alanine-rich protein kinase C substrate

MW calculé
32 kDa

MW observés:
80 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:1000-1:6000

Applications

Applications testées:
WB, ELISA

Spécificité de l'espèce:
Humain, souris

Contrôles positifs:

WB : Serum-free treated NIH/3T3 cells,

Informations générales

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 kineses (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)

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)
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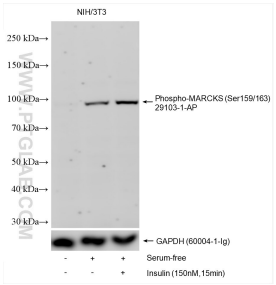
Données de validation sélectionnées



Non-treated NIH/3T3 cells, Serum-free treated and Insulin treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 29103-1-AP (Phospho-MARCKS (Ser159/163) antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.