Datasheet for ABIN306674

anti-AKAP12 antibody

1 Image

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Overview

Quantity:	250 µg
Target:	AKAP12
Reactivity:	Rat
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This AKAP12 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Isotype:	IgG

Target Details

Target:	AKAP12
Alternative Name:	SSeCKS - myristylated (PKC) substrate (AKAP12 Products)
Background:	Activation of protein kinase C is a key signal transduction event in mesangial cell dedifferentiation and proliferation, yet little is known about downstream substrates or their roles in normal or diseased states. SSeCKS, a novel protein kinase C substrate originally isolated as a src-suppressed negative mitogenic regulator in fibroblasts, controls actinbased cytoskeletal architecture and scaffolds key signaling kinases such as protein kinase C and protein kinase A. Activation of protein kinase C is a key signal transduction event in mesangial cell dedifferentiation. A role for SSeCKS, a PKA/PKC scaffolding protein, has been implicatedduring the process of spermiogenesis and in the actin-based stellate morphology of

Target Details

	mesangial cellsSynonyms: SSeCKS, A-kinase anchor protein 12, AKAP12, src-suppressed C kinase substrate.
UniProt:	Q62766
Pathways:	cAMP Metabolic Process

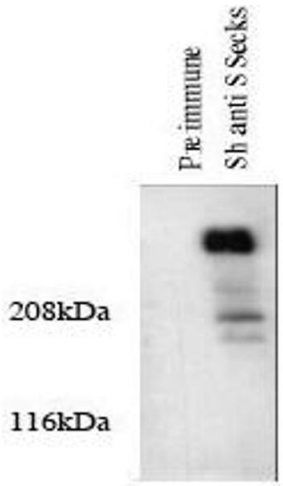
Application Details

Application Notes:	Antibody can be used for Western blot (2-5 ug/ml), immunohistochemistry and immunoprecipitation. Positive Control: Rat aortic smooth muscle.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/ml
Storage:	-20 °C

Images



Western Blotting

Image 1. Western blotting total cellular protein from cultured rat aortic smooth muscle cells was prepared and analyze. The protein was transferred to a PVDF membrane, blocked 1XTBS, 0.1% tween 20/ 5%NFDM, probed with 5 µg/ml of pre-immune serum 5 ug of S125P antibody (a 3 second exposure is shown). The blot was then washed and probed with monoclonal anti-sheep IgG coupled to HRP 1:10,000, and detected with luminol.