TSC2 blocking peptide (CDBP6377)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Mutations in this gene lead to tuberous sclerosis complex. Its gene product is believed to be a tumor suppressor and is able to stimulate specific GTPases. The protein associates with hamartin in a cytosolic complex, possibly acting as a chaperone for hamartin. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	TSC2 tuberous sclerosis 2 [Homo sapiens (human)]
Official Symbol	TSC2
Synonyms	TSC2; tuberous sclerosis 2; LAM; TSC4; PPP1R160; tuberin; tuberous sclerosis 2 protein; protein phosphatase 1, regulatory subunit 160
Entrez Gene ID	7249
mRNA Refseq	NM_000548

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Protein Refseq	NP_000539
UniProt ID	P49815
Pathway	AKT phosphorylates targets in the cytosol; AMPK signaling; AMPK signaling pathway; Adaptive Immune System; BDNF signaling pathway; Constitutive PI3K/AKT Signaling in Cancer; DAP12 interactions; DAP12 signaling
Function	14-3-3 protein binding; GTPase activator activity; phosphatase binding; protein binding; protein heterodimerization activity; protein homodimerization activity

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