



## Human TSC1 blocking peptide (CDBP1452)

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

### PRODUCT INFORMATION

<b>Product Overview</b>	Blocking/Immunizing peptide for anti-Hamartin/TSC1 (isoform 1) antibody
<b>Antigen Description</b>	This gene encodes a growth inhibitory protein thought to play a role in the stabilization of tuberin. Mutations in this gene have been associated with tuberous sclerosis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2009]
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Apuri, BL, ELISA
<b>Format</b>	Lyophilized powder
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	Shipped at ambient temperature, store at -20°C.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">TSC1 tuberous sclerosis 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	TSC1
<b>Synonyms</b>	TSC1; tuberous sclerosis 1; TSC; hamartin; KIAA0243; LAM; tumor suppressor; tuberous sclerosis 1 protein; MGC86987;
<b>Entrez Gene ID</b>	<a href="#">7248</a>
<b>mRNA Refseq</b>	<a href="#">NM_000368</a>

<b>Protein Refseq</b>	<a href="#">NP_000359</a>
<b>UniProt ID</b>	Q92574
<b>Chromosome Location</b>	9q34
<b>Pathway</b>	Energy dependent regulation of mTOR by LKB1-AMPK, organism-specific biosystem; IRS-mediated signalling, organism-specific biosystem; IRS-related events, organism-specific biosystem; Inhibition of TSC complex formation by PKB, organism-specific biosystem; Insulin Signaling, organism-specific biosystem; Insulin receptor signalling cascade, organism-specific biosystem; Insulin signaling pathway, organism-specific biosystem;
<b>Function</b>	GTPase activating protein binding; GTPase regulator activity; chaperone binding; protein N-terminus binding; protein binding;