

Mouse anti-Mouse, Human Hamartin / TSC1 Monoclonal Antibody | anti-TSC1 antibody

Anti-Hamartin / TSC1 Antibody IHC-plus

CATALOG # AAA52562	HOST Mouse	REACTIVITY Mouse, Human	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

Hamartin / TSC1; Monoclonal Antibody; Anti-Hamartin / TSC1 Antibody IHC-plus; Mouse Monoclonal (IgG2b) to Human Hamartin / TSC1; Human Hamartin / TSC1; LAM; Tuberous sclerosis 1 protein; Tuberous sclerosis 1; Hamartin; KIAA0243; TSC; Tumor suppressor; anti-TSC1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Mouse, Human
Clonality	Monoclonal
Isotype	IgG2b
Specificity	Human Hamartin / TSC1
Purity/Purification	Protein G purified
Form/Format	PBS, 0.09% sodium azide
Sequence Length	1164
Applicable Applications for anti-TSC1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	Hamartin / TSC1 antibody was raised against purified His-tagged TSC1 protein fragment.
Immunogen Description	Purified His-tagged TSC1 protein fragment.
Immunogen Type	Purified protein
Target Species	Human
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.

IMAGES



WB (Western Blot)

TSC1 Antibody western blot of mouse brain tissue lysates (35 ug/lane). The TSC1 antibody detected the TSC1 protein (arrow).



IHC (Immunohistochemistry)

Human Skeletal Muscle: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-TSC1 antibody	TSC1 Antibody, LAM Antibody, Tuberous sclerosis 1 protein Antibody, Tuberous sclerosis 1 Antibody, Hamartin Antibody, KIAA0243 Antibody, TSC Antibody, Tumor suppressor Antibody Description: Tuberous sclerosis complex (TSC) is an autosomal dominant tumor syndrome caused by mutations in either of the TSC1 or TSC2 tumor suppressor genes. The products of these genes form a protein complex that indirectly decreases the signaling of the mammalian Target of Rapamycin (TOR), an evolutionarily conserved serine/threonine kinase that regulates cell growth and cell cycle through its ability to integrate signals from nutrient levels and growth factors.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507693
NCBI GeneID	7248
NCBI Accession #	NP_000359.1
NCBI GenBank Nucleotide #	NM_000368.4
UniProt Accession #	Q92574; Q5VVN5; B7Z897
Molecular Weight	124,015 Da
NCBI Official Full Name	hamartin isoform 1
NCBI Official Synonym Full Names	tuberous sclerosis 1
NCBI Official Symbol	TSC1
NCBI Official Synonym Symbols	LAM; TSC
NCBI Protein Information	hamartin
UniProt Protein Name	Hamartin
UniProt Gene Name	TSC1
UniProt Synonym Gene Names	KIAA0243; TSC
UniProt Entry Name	TSC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.