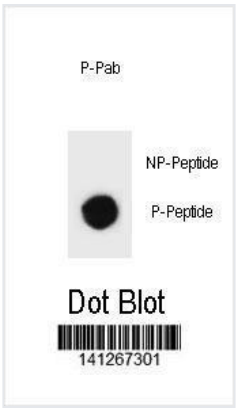
TSC1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TSC1, Polyclonal Antibody
Full Product Name	TSC1, phosphorylated (S312) (Tsc1, Hamartin, Tuberous sclerosis 1 protein homolog)
Product Synonym Names	Anti -TSC1, phosphorylated (S312) (Tsc1, Hamartin, Tuberous sclerosis 1 protein homolog)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Rabbit
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Immunogen	rat TSC1 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S312 of rat TSC1.
Product Categories/Family for anti-TSC1 antibody	Antibodies; Abs to Disease Markers
Applications Tested/Suitable for anti-TSC1 antibody	ELISA (EL/EIA), Gel Shift Assay (GS/EMSA)
Application Notes for anti-TSC1 antibody	Suitable for use in Dot Blot, ELISA Dilution: ELISA: 1:1,000 Dot blot 1:500
Related Product Information for anti-TSC1 antibody	In complex with TSC2, inhibits the nutrient-mediated or growth factor-stimulated phosphorylation of S6K1 and EIF4EBP1 by negatively regulating mTORC1 signaling (By similarity). Implicated as a tumor suppressor. Involved in microtubule-mediated protein transport, but this seems to be due to unregulated mTOR signaling (By similarity).
Other Notes	Small volumes of anti-TSC1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TSC1 purchase	MBS6006002 is an antibody targeting TSC1. Also known as TSC1, phosphorylated (S312) (Tsc1, Hamartin, Tuberous sclerosis 1 protein homolog). Host: Rabbit.



Dot Blot (DB) of anti-TSC1 antibody
Dot blot analysis of rat TSC1 Antibody (Phospho S312) Phospho-specific Pab on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.6ug per ml.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TSC1. It may not necessarily be applicable to this product.

NCBI GI #	13094959
NCBI Accession #	AAK12099.1
NCBI Official Full Name	TSC1
Protein Family	Hamartin
NCBI Summary for TSC1	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]
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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