

## Basic Information

<b>Product Name</b>	Anti-Hamartin/TSC1 Antibody (Clone#OTI3A2)
<b>Gene Name</b>	TSC1
<b>Source</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2a
<b>Species Reactivity</b>	human, mouse, rat
<b>Tested Application</b>	WB, IHC
<b>Contents</b>	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Immunogen</b>	Human recombinant protein fragment corresponding to amino acids 836-1164 of human TSC1 (NP_000359) produced in E.coli.
<b>Concentration</b>	500 ug/ml
<b>Purification</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Observed MW</b>	129.6 kDa
<b>Dilution Ratios</b>	Western blot (WB): 1:2000 Immunohistochemistry (IHC):1:150

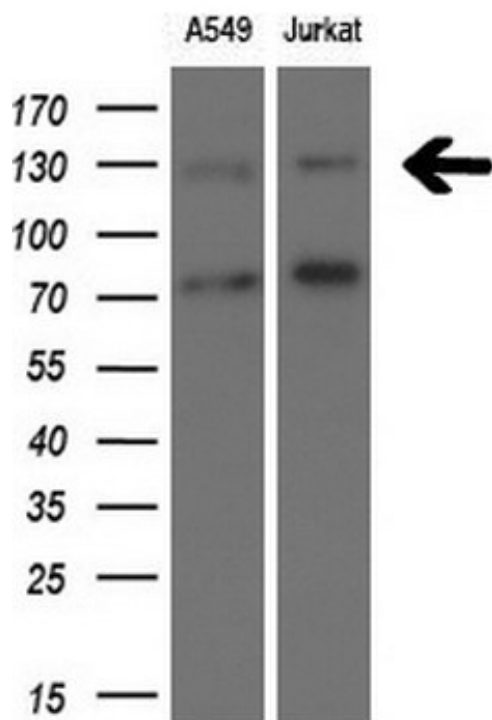
## Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

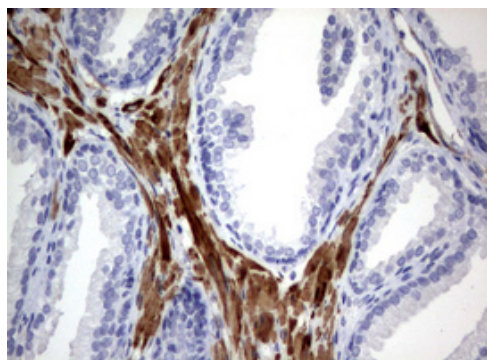
## Background Information

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

## Selected Validation Data



Western blot analysis of extracts (10ug) from 2 different cell lines by using anti-TSC1 monoclonal antibody at 1:200 dilution.



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-TSC1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, M00365)