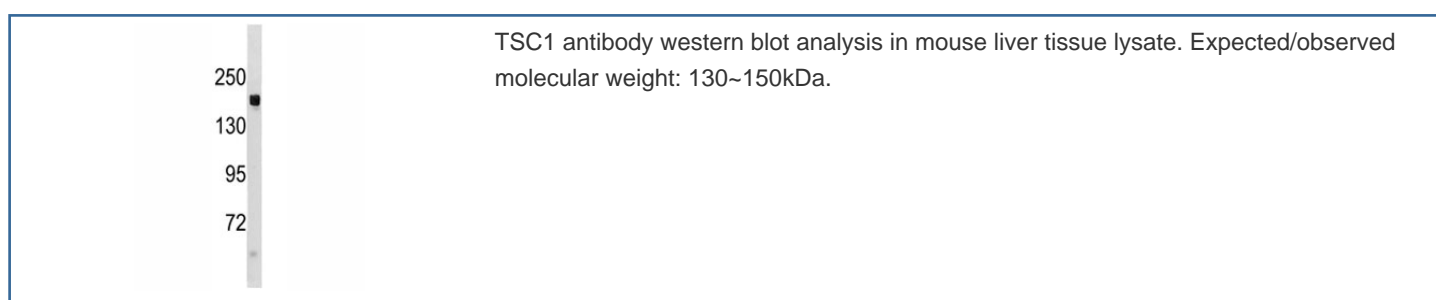


## TSC1 Antibody (F52109)

Catalog No.	Formulation	Size
F52109-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F52109-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Mouse
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>UniProt</b>	Q9EP53
<b>Applications</b>	Western Blot : 1:1000
<b>Limitations</b>	This TSC1 antibody is available for research use only.



## Description

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).

## Application Notes

Titration of the TSC1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 1117-1144 from the mouse protein was used as the immunogen for this TSC1 antibody.

## **Storage**

Aliquot the TSC1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.