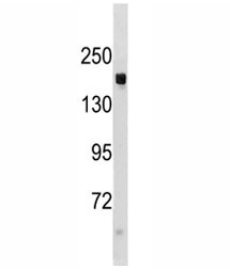
TSC1 Antibody (F52109)

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

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



TSC1 antibody western blot analysis in mouse liver tissue lysate. Expected/observed molecular weight: 130~150kDa.

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.

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