

anti-Tuberin-Specific antibody

Product Information

Catalog No.:	FNab09101
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

TSC2, also named as TSC4, FLJ43106 and LAM, acts as a GTPase-activating protein(GAP) for the small GTPase RHEB, a direct activator of the protein kinase activity of mTORC1. In complex with TSC1, TSC2 inhibits the nutrient-mediated or growth factor-stimulated phosphorylation of S6K1 and EIF4EBP1 by negatively regulating mTORC1 signaling. TSC2 implicated as a tumor suppressor. It is involved in microtubule-mediated protein transport, but this seems to be due to unregulated mTOR signaling. TSC2 stimulates weakly the intrinsic GTPase activity of the Ras-related proteins RAP1A and RAB5 in vitro. Mutations in TSC2 lead to constitutive activation of RAP1A in tumors. Mutations in either TSC2 or the related TSC1(hamartin) gene cause tuberous sclerosis complex(TSC), an autosomal dominant disorder characterized by development of multiple, widespread non-malignant tumors. The antibody is specific to TSC2.

Immunogen information

Immunogen:	tuberous sclerosis 2
Synonyms:	FLJ43106, LAM, TSC2, TSC4, Tuberin, tuberous sclerosis 2, Tuberous sclerosis 2 protein
Observed MW:	200 kDa
UniprotID :	P49815

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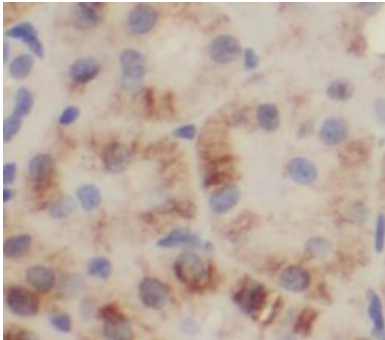
Application

Reactivity: Human, Mouse

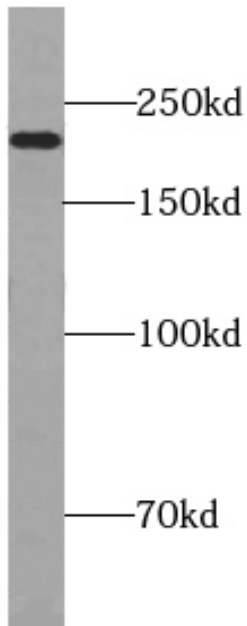
Tested Application: ELISA, WB, IF, IHC

Recommended dilution: WB: 1:200-1:2000; IHC: 1:20-1:200; IF: 1:10-1:100

Image:



Immunohistochemistry of paraffin-embedded human kidney slide using FNab09101(TSC2-Specific Antibody) at dilution of 1:50



mouse lung tissue were subjected to SDS PAGE followed by western blot with FNab09101(TSC2-Specific antibody) at dilution of 1:300

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