



## Phospho-rat TSC1(S312) Antibody

Catalog_no :	AB2198
Reactivity :	Rat
Category :	抗原抗体
Size :	100μL/50μL
Immunogen :	RAT
Specificity :	This rat TSC1 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S312 of rat TSC1.
Dilution :	DB,1:500;
Purification :	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by two-step phosphospecific peptide affinity purification.
Other_name :	Hamartin, Tuberous sclerosis 1 protein homolog, Tsc1
Isotype :	Rabbit Ig
Background :	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).
reference :	Inoue, H., et al. Biosci. Biotechnol. Biochem. 73(11):2488-2493(2009) Di Nardo, A., et al. J. Neurosci. 29(18):5926-5937(2009) Chen, P., et al. Exp. Mol. Pathol. 86(2):101-107(2009) Momose, S., et al. Biochem. Biophys. Res. Commun. 356(3):693-698(2007)