

Phospho-mouse TSC2(S1096) Antibody

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| Catalog_no : | AB2189 |
| Reactivity : | M |
| Category : | 抗原抗体 |
| Size : | 100 μ L/50 μ L |
| Immunogen : | MOUSE |
| Specificity : | This mouse TSC2 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S1096 of mouse TSC2. |
| 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 : | Tuberin, Tuberous sclerosis 2 protein homolog, Tsc2 |
| Isotype : | Rabbit Ig |
| Background : | In complex with TSC1, inhibits the nutrient-mediated or growth factor-stimulated phosphorylation of S6K1 and EIF4EBP1 by negatively regulating mTORC1 signaling. Acts as a GTPase-activating protein (GAP) for the small GTPase RHEB, a direct activator of the protein kinase activity of mTORC1. Implicated as a tumor suppressor. Involved in microtubule-mediated protein transport, but this seems to be due to unregulated mTOR signaling (By similarity). Specifically stimulates the intrinsic GTPase activity of the Ras-related protein RAP1A and RAB5. Suggesting a possible mechanism for its role in regulating cellular growth (By similarity). |