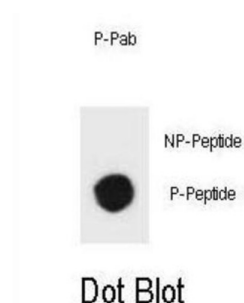


rat TSC1 (pY297) Antibody

Catalogue No.: abx032240



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).

Target: TSC1 (pY297)

Clonality: Polyclonal

Target Modification: Tyr297

Modification: Phosphorylation

Reactivity: Rat

Tested Applications: ELISA, DB

Host: Rabbit

Recommended dilutions: DB: 1/500. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: KLH-conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y297 of rat TSC1.

Isotype: IgG

Form: Liquid

Purification: Purified through a protein A column, followed by two-step phosphospecific peptide affinity purification.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

Datasheet

Version: 3.0.0

Revision date: 19 Nov 2025



UniProt Primary AC: Q9Z136 ([UniProt](#), [ExPASy](#))

String: [10116.ENSRNOP00000016904](#)

Molecular Weight: Calculated MW: 129 kDa

Buffer: PBS containing 0.09% sodium azide.

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