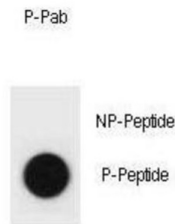


Mouse TSC1 (pS591) Antibody

Catalogue No.: abx032224

**Dot Blot**

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: Mouse TSC1 (pS591)**Clonality:** Polyclonal**Target Modification:** Ser591**Modification:** Phosphorylation**Reactivity:** Mouse**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 S591 of mouse 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: 1.0.0
Revision date: 24 Apr 2025



UniProt Primary AC: Q9EP53 ([UniProt](#), [ExPASy](#))

String: [10090.ENSMUSP00000109500](#)

Molecular Weight: Calculated MW: 129 kDa

Buffer: PBS containing 0.09% sodium azide.

Specificity: Predicted to react with Rat Tsc1.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only