

Anti-Hamartin/TSC1 Antibody Picoband® Biotin Conjugated

Catalog Number: PA2012-Biotin

About TSC1

TSC1 (Tuberous Sclerosis 1), also called HAMARTIN or TSC, is a human protein and gene. As part of a comprehensive strategy to identify the gene mutant in tuberous sclerosis-1, van Sleightenhorst et al. (1997) developed an overlapping contig of clones from the 1.4-Mb TSC1 region on chromosome 9. Benvenuto et al. (2000) showed that overexpression of the TSC1 gene in rat fibroblasts inhibits growth and causes changes in cell morphology. Van Sleightenhorst et al. (1998) showed that hamartin and tuberin associate physically in vivo, however, and that the interaction is mediated by predicted coiled-coil domains.

Overview

Product Name	Anti-Hamartin/TSC1 Antibody Picoband® Biotin Conjugated
Reactive Species	Human, Mouse, Rat
Application	WB, IHC, ELISA
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q92574

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Hamartin, identical to the related rat sequence, and different from the related mouse sequence by one amino acid.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	Western blot, Optimal dilutions should be determined by end users. Immunohistochemistry (Paraffin-embedded Section), Optimal dilutions should be determined by end users.

ELISA, Optimal dilutions should be determined by end users.

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