

Recombinant

DGRmAb®

Hamartin (DGR31827) Rabbit mAb (PBS Only)

db13638-PBS

Package : 100µg

Product Name : Hamartin (DGR31827) Rabbit mAb (PBS Only)**Cat.No.:** db13638-PBS**Synonyms** : LAM; TSC**Application** : WB, IHC-P, FC, IP**Reactivity** : Human**Host species** : Rabbit**Background**

This gene is a tumor suppressor gene that encodes the growth inhibitory protein hamartin. The encoded protein interacts with and stabilizes the GTPase activating protein tuberin. This hamartin-tuberin complex negatively regulates mammalian target of rapamycin complex 1 (mTORC1) signalling which is a major regulator of anabolic cell growth. This protein also functions as a co-chaperone for Hsp90 that inhibits its ATPase activity. This protein functions as a facilitator of Hsp90-mediated folding of kinase and non-kinase clients, including Tsc2 and thereby preventing their ubiquitination and proteasomal degradation. Mutations in this gene have been associated with tuberous sclerosis. [provided by RefSeq, Apr 2018]

Immunogen

A synthetic peptide of human Hamartin

Gene ID

7248

Swiss Prot

Q92574

Synonyms

LAM; TSC

Reactivity

Human

Application

WB, IHC-P, FC, IP

Recommended dilution

WB: 1:1000

IHC-P: 1:100-1:200

FC: 1:20

IP: 1:20-1:50

Calculated MW

130 kDa

Observed MW

150-170 kDa

Host species

Rabbit

Clonality

Monoclonal

Clonality No.	DGR31827
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/ml
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.

