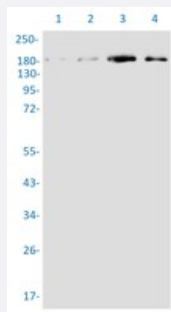


RecomAb™

TSC2 recombinant monoclonal antibody, clone R04-1I3

Catalog # RAB04423 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: Hela whole cell lysate, Lane 2: A549 whole cell lysate, Lane 3: HL-60 whole cell lysate and Lane 4: U2OS whole cell lysate with TSC2 recombinant monoclonal antibody, clone R04-1I3 (Cat # RAB04423).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human TSC2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human TSC2.
Theoretical MW (kDa)	Calculated MW: 201 k
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

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- Immunoprecipitation

Gene Info — TSC2

Entrez GeneID[7249](#)**Protein Accession#**[P49815](#)**Gene Name**

TSC2

Gene Alias

FLJ43106, LAM, TSC4

Gene Description

tuberous sclerosis 2

Omim ID[191092](#) [191100](#) [606690](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Mutations in this gene lead to tuberous sclerosis complex. Its gene product is believed to be a tumor suppressor and is able to stimulate specific GTPases. The protein associates with hamartin in a cytosolic complex, possibly acting as a chaperone for hamartin. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations

tuberin

Pathway

- [Insulin signaling pathway](#)
- [mTOR signaling pathway](#)

- [p53 signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Colonic Neoplasms](#)
- [Cysts](#)
- [Depressive Disorder](#)
- [Epilepsy](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Malformations of Cortical Development](#)
- [Mental Disorders](#)
- [NARP](#)
- [Pigmentation Disorders](#)
- [Rectal Neoplasms](#)
- [Tuberous sclerosis](#)
- [Urinary Bladder Neoplasms](#)