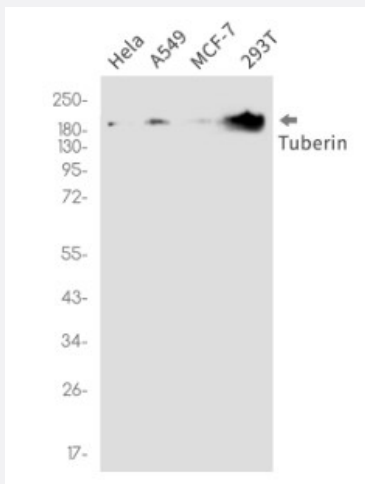


RecomAb™

TSC2 recombinant monoclonal antibody, clone R06-0D3

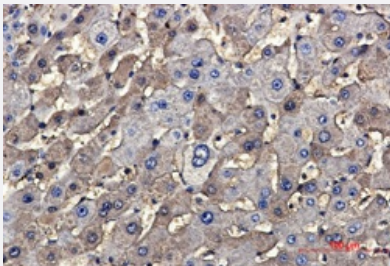
Catalog # RAB01341 Size 100 uL

Applications



Western Blot

Western Blot analysis of HeLa, A549, MCF-7, 293T lysates with TSC2 recombinant monoclonal antibody, clone R06-0D3 (Cat # RAB01341).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded Human hepatic carcinoma using Tuberin antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

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	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) Immunoprecipitation Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, pH 7.4, (0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C. For longer storage, aliquot and 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

Western Blot analysis of Hela, A549, MCF-7, 293T lysates with TSC2 recombinant monoclonal antibody, clone R06-0D3 (Cat # RAB01341).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded Human hepatic carcinoma using Tuberin antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

- 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](#)