Anti-Tuberin Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R013540

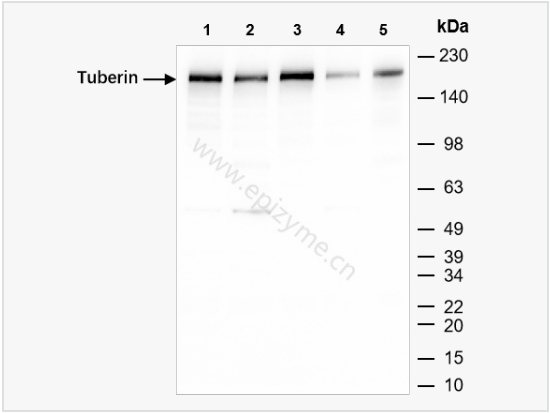
Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	70M18M92
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Tuberin
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Tuberin Rabbit mAb [70M18M92] is for research use only and not for use in diagnostic or therapeutic procedures.

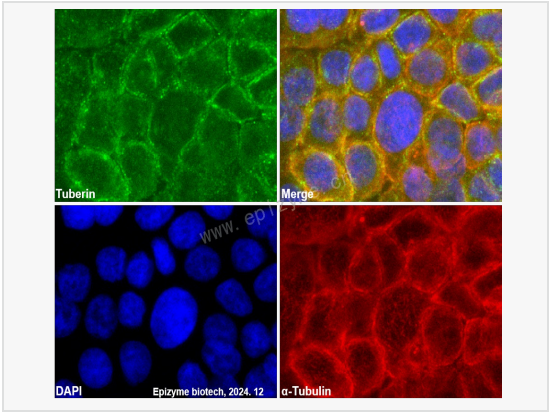
Protein Information

Synonyms	FLJ43106, LAM, OTTHUMP00000158940, OTTHUMP00000198394, OTTHUMP00000198395, PPP1R160, Protein phosphatase 1, regulatory subunit 160, TSC complex subunit 2, tsc2, TSC2_HUMAN, TSC4, TSC4 gene, formerly, TSC4, formerly, Tuberin, Tuberous sclerosis 2, Tuberous sclerosis 2 protein, Tuberous sclerosis 2 protein homolog.
Calculated MW	Calculated MW: 200 kDa; Observed MW: 200 kDa
Uniprot ID	P49815
Gene ID	7249
Background	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, Jul 2008]
Cellular Location	Cytoplasm. Membrane. At steady state found in association with membranes.
Tissue Location	Liver, brain, heart, lymphocytes, fibroblasts, biliary epithelium, pancreas, skeletal muscle, kidney, lung and placenta.

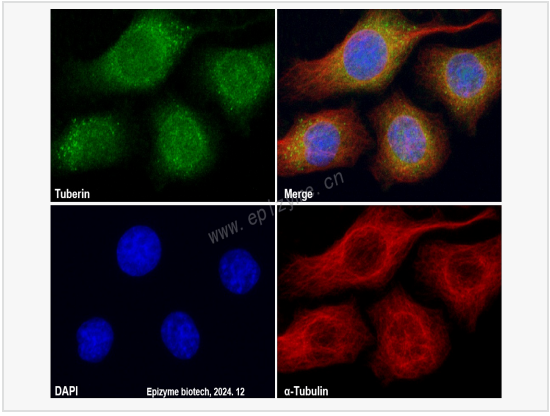
Validation Images



Western Blot - Anti-Tuberin Rabbit mAb [70M18M92]
All lanes: R013540 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: A431(Human epidermoid teratoma cell line) whole cell lysates
Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 200 kDa
Observed band size: 200 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Tuberin Rabbit mAb [70M18M92]
Sample: TH-29 cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R013540 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).



Immunofluorescence - Anti-Tuberin Rabbit mAb [70M18M92]
Sample: Hela cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R013540 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).