

Anti-Dynamin 2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

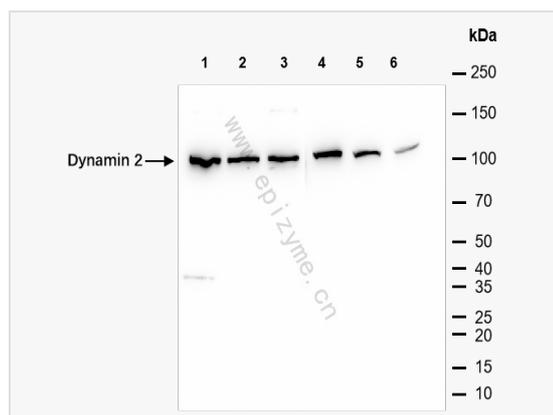
Catalog # R014129

Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Mouse, Rat, Human
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	17J03C35
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Dynamin 2
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-Dynamin 2 Rabbit mAb [17J03C35] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	CMT2M, CMTD11, CMTD1B, DI CMTB, Dnm2, DYN II, DYN2, DYN2_HUMAN, Dynamin II, Dynamin-2, Dynamin2, DynaminII, DYNII.
Calculated MW	Calculated MW: 98 kDa; Observed MW: 98 kDa
Uniprot ID	P50570
Gene ID	1785
Background	Microtubule-associated force-producing protein involved in producing microtubule bundles and able to bind and hydrolyze GTP. Most probably involved in vesicular trafficking processes, in particular endocytosis.
Cellular Location	Cytoplasm. Cytoplasm > cytoskeleton. Cell junction > synapse > postsynaptic cell membrane > postsynaptic density. Cell junction > synapse. Microtubule-associated. Also found in the postsynaptic density of neuronal cells.
Tissue Location	Ubiquitously expressed.



Western Blot - Anti-Dynamin 2 Rabbit mAb [17J03C35]

All lanes: R014129 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: Rat spleen whole tissue lysates

Lane 5: Rat heart whole tissue lysates

Lane 6: Mouse brain whole tissue lysates

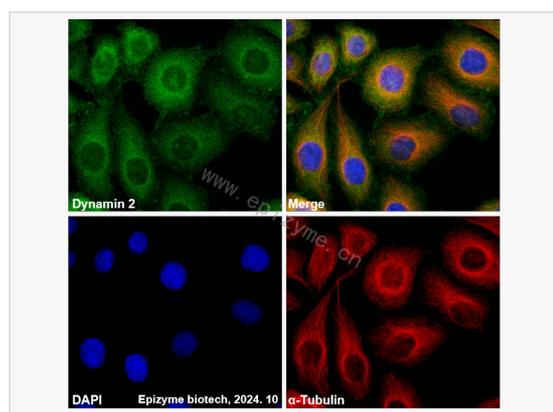
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 98 kDa

Observed band size: 98 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Dynamin 2 Rabbit mAb [17J03C35]

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: R014129 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).