

Anti-Profilin 2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

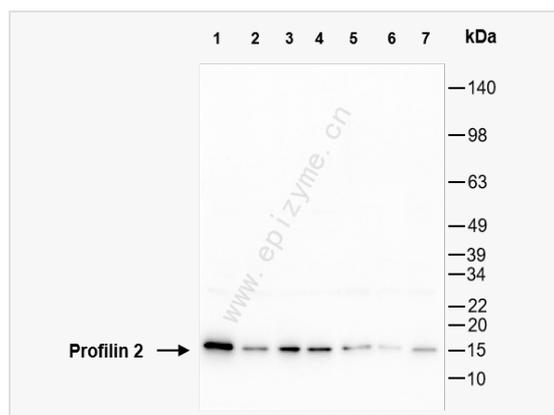
Catalog # R015158

Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Rat
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	84U02P79
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Profilin 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-Profilin 2 Rabbit mAb [84U02P79] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	D3S1319E, PFL, PFN 2, Pfn2, PROF2_HUMAN, Profilin II, Profilin-2, Profilin2, ProfilinII.
Calculated MW	Calculated MW: 15 kDa; Observed MW: 15 kDa
Uniprot ID	P35080
Gene ID	5217
Background	The protein encoded by this gene is a ubiquitous actin monomer-binding protein belonging to the profilin family. It is thought to regulate actin polymerization in response to extracellular signals. There are two alternatively spliced transcript variants encoding different isoforms described for this gene. [provided by RefSeq, Jul 2008]
Cellular Location	Cytoplasm > cytoskeleton.
Tissue Location	Highly expressed in brain, skeletal muscle and kidney and less strongly in heart, placenta, lung and liver.



Western Blot - Anti-Profilin 2 Rabbit mAb [84U02P79]

All lanes: R015158 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: SW620 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 5: 293T (Human embryonic kidney cell) whole cell lysates

Lane 6: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates

Lane 7: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

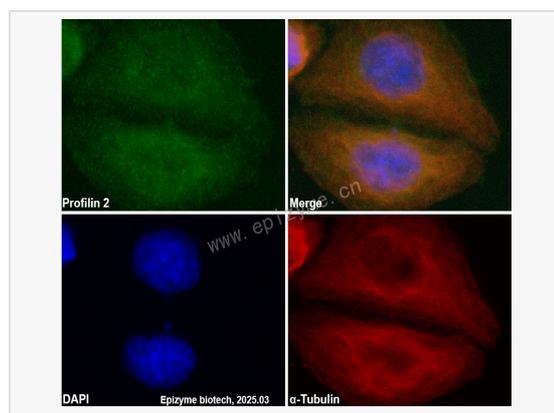
Lysates/proteins at 10 µg per lane.

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

Predicted band size: 15 kDa

Observed band size: 15 kDa

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



Immunofluorescence - Anti-Profilin 2 Rabbit mAb [84U02P79]

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: R015158 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).