

Anti-Filamin A Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

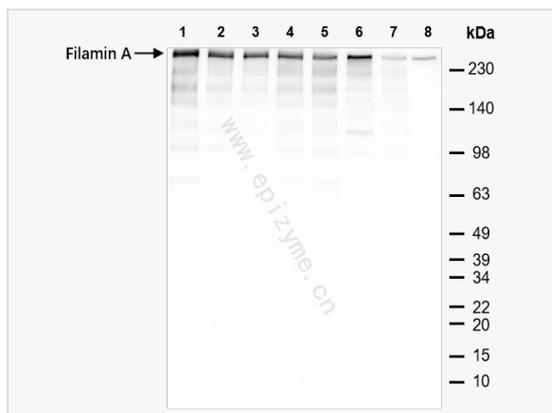
Catalog # R014708

Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:6,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	28R89L14
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Filamin A
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-Filamin A Rabbit mAb [28R89L14] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	ABP 280, ABP-280, Actin-binding protein 280, Alpha filamin, Alpha-filamin, APBX, CSBS, CVD1, Endothelial actin binding protein, Endothelial actin-binding protein, Filamin 1, Filamin A alpha, Filamin A, Filamin-1, Filamin-A, FLN, FLN-A, FLN1, FLNA, FLNA_HUMAN, FMD, MNS, NHBP, Non muscle filamin, Non-muscle filamin, OPD, OPD1, OPD2, XLVD, XMVD.
Calculated MW	Calculated MW: 281 kDa; Observed MW: 281 kDa
Uniprot ID	P21333
Gene ID	2316
Background	The protein encoded by this gene is an actin-binding protein that crosslinks actin filaments and links actin filaments to membrane glycoproteins. The encoded protein is involved in remodeling the cytoskeleton to effect changes in cell shape and migration. This protein interacts with integrins, transmembrane receptor complexes, and second messengers. Defects in this gene are a cause of several syndromes, including periventricular nodular heterotopias (PVNH1, PVNH4), otopalatodigital syndromes (OPD1, OPD2), frontometaphyseal dysplasia (FMD), Melnick-Needles syndrome (MNS), and X-linked congenital idiopathic intestinal pseudoobstruction (CIIPX). Two transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2009]
Cellular Location	Cytoplasm > cell cortex. Cytoplasm > cytoskeleton.
Tissue Location	Ubiquitous.



Western Blot - Anti-Filamin A Rabbit mAb [28R89L14]

All lanes: R014708 at 1:6,000 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

Lane 6: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 7: U2OS (Human osteosarcoma epithelial cell) whole cell lysates

Lane 8: Rat muscle whole tissue lysates

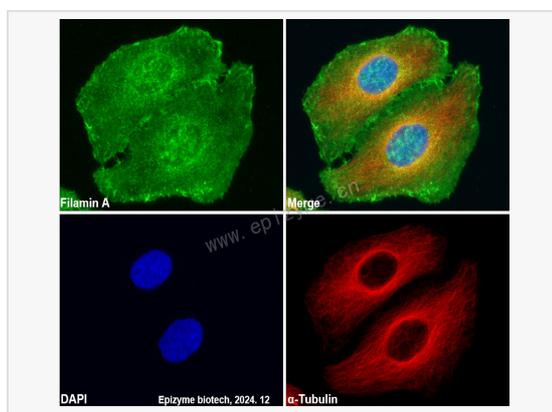
Lysates/proteins at 10 µg per lane.

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

Predicted band size: 281 kDa

Observed band size: 281 kDa

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



Immunofluorescence - Anti-Filamin A Rabbit mAb [28R89L14]

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: R014708 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).