Anti-Calcineurin A Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R010399

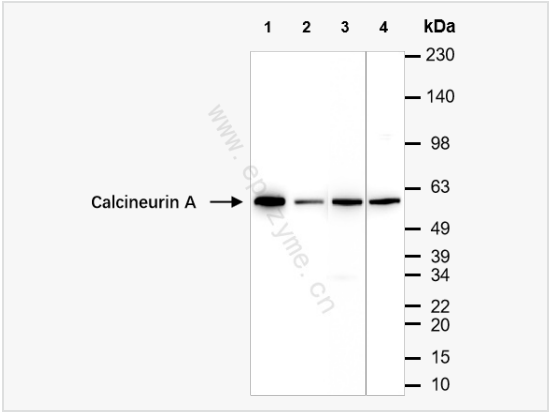
Product Information

Application	IF (Cell)/ICC, ELISA, WB, IHC-P/IF (Tissue-P)
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	95L34M48
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human Calcineurin 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-Calcineurin A Rabbit mAb [95L34M48] is for research use only and not for use in diagnostic or therapeutic procedures.

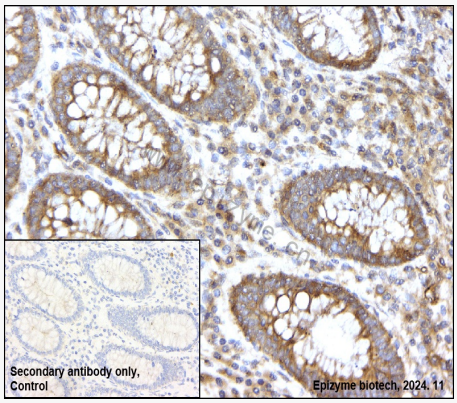
Protein Information

Synonyms	Alpha isoform formerly PPP2B, Calcineurin A alpha, Calcineurin A1, CalcineurinA, Calmodulin dependent calcineurin A subunit alpha isoform, Calmodulin-dependent calcineurin A subunit alpha isoform, CALN, CALNA 1, CALNA, CALNA1, CAM PRP catalytic subunit, CAM-PRP catalytic subunit, CCN 1, CCN1, CNA 1, CNA alpha, CNA, CNA1, PP2BA_HUMAN, PPP2B, Ppp3ca, Protein phosphatase 2B catalytic subunit, Protein phosphatase 3 (formerly 2B) catalytic subunit alpha isoform, Protein phosphatase 3 catalytic subunit alpha isoform PPP3CA, Protein phosphatase 3 catalytic subunit alpha isozyme, Serine/threonine protein phosphatase 2B catalytic subunit alpha isoform, Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform.
Calculated MW	Calculated MW: 59 kDa; Observed MW: 59 kDa
Uniprot ID	Q08209
Gene ID	5530
Background	Calcium-dependent, calmodulin-stimulated protein phosphatase which plays an essential role in the transduction of intracellular Ca2+-mediated signals (PubMed:15671020, PubMed:18838687, PubMed:19154138, PubMed:23468591)
Cellular Location	Nucleus. Colocalizes with ACTN1 and MYOZ2 at the Z line in heart and skeletal muscle.

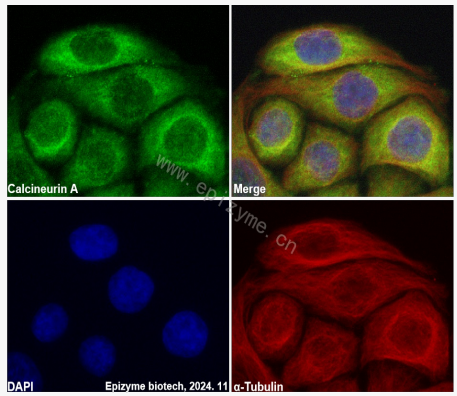
Validation Images



Western Blot - Anti-Calcineurin A Rabbit mAb [95L34M48]
All lanes: R010399 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
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: 59 kDa
Observed band size: 59 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Calcineurin A Rabbit mAb [95L34M48]
Sample: Paraformaldehyde-fixed, paraffin embedded rat muscle tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R010399 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-Calcineurin A Rabbit mAb [95L34M48]
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: R010399 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).