

Anti-ARF1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

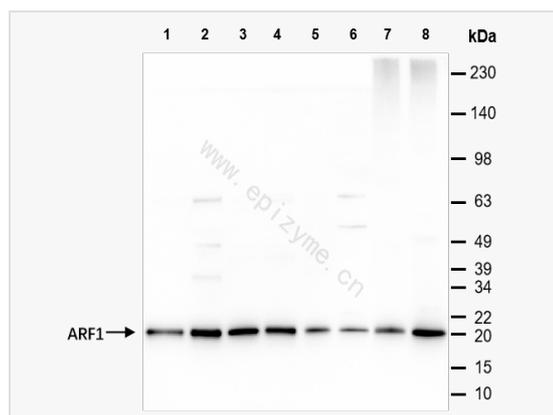
Catalog # R014253

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.	26M59S07
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human ARF1
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-ARF1 Rabbit mAb [26M59S07] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	ADP Ribosylation Factor 1, ADP-ribosylation factor 1, ARF 1, ARF1, ARF1_HUMAN.
Calculated MW	Calculated MW: 21 kDa; Observed MW: 20 kDa
Uniprot ID	P84077
Gene ID	375
Background	Stimulate the ADP-ribosyltransferase activity of cholera toxin and play a role in vesicular trafficking as activators of phospholipase D. GTP-binding protein that functions as an allosteric activator of the cholera toxin catalytic subunit, an ADP-ribosyltransferase. Involved in protein trafficking among different compartments.
Cellular Location	Golgi apparatus. Cytoplasm > perinuclear region.



Western Blot - Anti-ARF1 Rabbit mAb [26M59S07]

All lanes: R014253 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: C2C12 (Mouse myoblasts 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: Rat heart whole tissue lysates

Lane 7: Rat spleen whole tissue lysates

Lane 8: Mouse small intestine whole tissue lysates

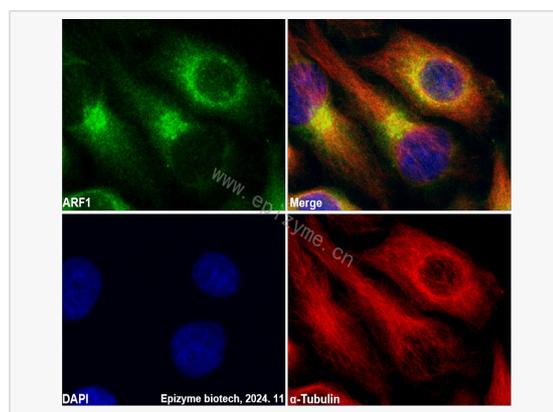
Lysates/proteins at 10 µg per lane.

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

Predicted band size: 21 kDa

Observed band size: 20 kDa

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



Immunofluorescence - Anti-ARF1 Rabbit mAb [26M59S07]

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: R014253 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).