10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ARF5 Antibody

Rabbit mAb
Catalog # AP92527

Product Information

Application	WB, FC
Primary Accession	P84085
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	ADP ribosylation factor 5; Arf5;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	20530

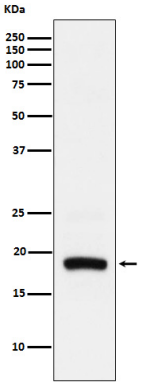
Additional Information

Dilution	WB 1:500~1:2000 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human ARF5
Description	GTP-binding protein that functions as an allosteric activator of the cholera toxin catalytic subunit, an ADP-ribosyltransferase. Involved in protein trafficking; may modulate vesicle budding and uncoating within the Golgi apparatus.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	ARF5
Function	GTP-binding protein involved in protein trafficking. Contributes to vesicle budding and uncoating at the Golgi apparatus. Regulates mTORC1 activity at the plasma membrane by promoting its recruitment to membrane ruffles, facilitating activation via the PI3K/Akt signaling pathway (PubMed:36735494). Acts as an early responder to lysosomal damage and participates in lysosomal quality control pathways (PubMed:41293316).
Cellular Location	Cell membrane. Golgi apparatus. Cytoplasm, perinuclear region. Lysosome membrane; Lipid-anchor. Golgi apparatus, trans-Golgi network membrane; Lipid-anchor {ECO:0000250|UniProtKB:P84084}

Images



Western blot analysis of ARF5 expression in Hela cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.