

ARL11 (N-17): sc-83982

The Power to Question

BACKGROUND

ADP-ribosylation factors (ARFs) are highly conserved guanine nucleotide binding proteins that enhance the ADP-ribosyltransferase activity of cholera toxin. ARFs are important in eukaryotic vesicular trafficking pathways and they play an essential role in the activation of phospholipase D (PC-PLD). ARL11 (ADP-ribosylation factor-like 11), also known as ARLTS1 (ADP-ribosylation factor-like tumor suppressor protein 1), is a 196 amino acid protein that belongs to a family of ARF-like proteins. Expressed in leukocytes and lung tissue, ARL11 is thought to function as a tumor suppressor that may play a role in the regulation of apoptosis. Defects in the gene encoding ARL11 are associated with an increased susceptibility to chronic lymphocytic leukemia (CLL), melanoma and colorectal cancer.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ARL11 (human) mapping to 13q14.3; Arl11 (mouse) mapping to 14 D1.

SOURCE

ARL11 (N-17) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping at the N-terminus of ARL11 of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-83982 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ARL11 (N-17) is recommended for detection of ARL11 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for ARL11 siRNA (h): sc-105088, ARL11 siRNA (m): sc-141237, ARL11 shRNA Plasmid (h): sc-105088-SH, ARL11 shRNA Plasmid (m): sc-141237-SH, ARL11 shRNA (h) Lentiviral Particles: sc-105088-V and ARL11 shRNA (m) Lentiviral Particles: sc-141237-V.

Molecular Weight of ARL11: 21 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.