ARF6 (m2): 293T Lysate: sc-118517



The Power to Question

BACKGROUND

The ADP-ribosylation factor (ARF) protein family are structurally and functionally conserved members of the Ras superfamily of regulatory GTP-binding proteins. ARFs influence vesicle trafficking and signal transduction in eukaryotic cells. ARF-dependent regulatory mechanisms include the coordination of spectrin interactions with Golgi membranes and the association of actin to the Golgi via Rho family-dependent G protein localization (Rac, CDC42) and WASP/Arp2/3 complexes. Additionally, ARFs play a central role in maintenance of organelle integrity, assembly of coat proteins and activation of phospholipase D. The ARF proteins are categorized as class I (ARF1, ARF2 and ARF3), class II (ARF4 and ARF5) and class III (ARF6); members of each class share a common gene organization. The human ARF6 gene contains five exons and four introns and encodes a 175 amino acid protein.

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CHROMOSOMAL LOCATION

Genetic locus: Arf6 (mouse) mapping to 12 C2.

PRODUCT

ARF6 (m2): 293T Lysate represents a lysate of mouse ARF6 transfected 293T cells and is provided as 100 μg protein in 200 μl SDS-PAGE buffer.

APPLICATIONS

ARF6 (m2): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive ARF6 antibodies. Recommended use: $10-20~\mu l$ per lane.

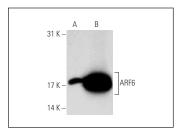
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

ARF6 (3A-1): sc-7971 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse ARF6 expression in ARF6 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-lgG κ BP-HRP: sc-516102 or m-lgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz MarkerTM Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



ARF6 (3A-1): sc-7971. Western blot analysis of ARF6 expression in non-transfected: sc-117752 (**A**) and mouse ARF6 transfected: sc-118517 (**B**) 293T whole

STORAGE

Store at -20 $^{\circ}$ C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. 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 for detailed protocols and support products.

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