

ALG-2 (h2): 293T Lysate: sc-112988

BACKGROUND

An increased intracellular Ca²⁺ concentration induces apoptotic cell death. Transiently elevated Ca²⁺ concentrations are required for glucocorticoid-mediated and T cell receptor-mediated pathways, leading to T cell apoptosis. ALG-2 (for apoptosis-linked gene 2) is a Ca²⁺-binding protein that participates in regulatory events occurring late in the apoptotic program and where several death signals converge. ALG-2 is a protein expressed in normal brain, and to a greater extent in ischemic brain. The ALG-2 protein contains five EF-hand-like motifs and shares homology with members of the penta EF-hand family, which includes Calpain small subunits, sorcin and Grancalcin.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: PD66 (human) mapping to 5p15.33.

PRODUCT

ALG-2 (h2): 293T Lysate represents a lysate of human ALG-2 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

RESEARCH USE

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

APPLICATIONS

ALG-2 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive ALG-2 antibodies. Recommended use: 10-20 µl per lane.

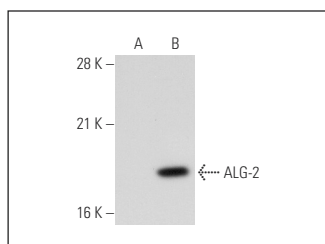
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

ALG-2 (AA8): sc-101209 is recommended as a positive control antibody for Western Blot analysis of enhanced human ALG-2 expression in ALG-2 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-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



ALG-2 (AA8): sc-101209. Western blot analysis of ALG-2 expression in non-transfected: sc-117752 (A) and human ALG-2 transfected: sc-112988 (B) 293T whole cell lysates.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

PROTOCOLS

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