

# ALG-2 (m): 293T Lysate: sc-118350

## BACKGROUND

An increased intracellular  $Ca^{2+}$  concentration induces apoptotic cell death. Transiently elevated  $Ca^{2+}$  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  $Ca^{2+}$ -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: Pdc6 (mouse) mapping to 13 C1.

## PRODUCT

ALG-2 (m): 293T Lysate represents a lysate of mouse ALG-2 transfected 293T cells and is provided as 100  $\mu$ g protein in 200  $\mu$ l SDS-PAGE buffer.

## RESEARCH USE

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

## APPLICATIONS

ALG-2 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive ALG-2 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.

## 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.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.