

Apg-2 (m2): 293T Lysate: sc-124974

BACKGROUND

The heat shock proteins (HSPs) comprise a group of highly conserved, abundantly expressed proteins with diverse functions, which include the assembly and sequestering of multiprotein complexes, transportation of nascent polypeptide chains across cellular membranes and regulation of protein folding. Heat shock proteins (also known as molecular chaperones) fall into six general families: HSP 90, HSP 70, HSP 60, the low molecular weight HSPs, the immunophilins and the HSP 110 family. The HSP 110 family (also known as the HSP 105 family) is composed of HSP 105, Apg-1 and Apg-2.

REFERENCES

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4. Todd, M.J., et al. 1994. Dynamics of the chaperonin ATPase cycle: implications for facilitated protein folding. *Science* 265: 659-666.
5. Yasuda, K., et al. 1995. Cloning and expression of murine high molecular mass heat shock proteins, HSP105. *J. Biol. Chem.* 270: 29718-29723.
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7. Xue, J.H., et al. 1998. Induction of Apg-1, a member of the HSP 110 family, following transient forebrain ischemia in the rat brain. *Biochem. Biophys. Res. Commun.* 247: 796-801.
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CHROMOSOMAL LOCATION

Genetic locus: Hspa4 (mouse) mapping to 11 B1.3.

PRODUCT

Apg-2 (m2): 293T Lysate represents a lysate of mouse Apg-2 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

Apg-2 (m2): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive Apg-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.

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.

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.