



ARMCX3 (h2): 293T Lysate: sc-173186

BACKGROUND

The armadillo (ARM) repeat family of proteins are related to the *Drosophila melanogaster* armadillo protein, a protein essential for Wingless signal transduction. ARM proteins are involved in a variety of processes such as cell migration, cell proliferation, tissue maintenance and tumorigenesis. They are intracellular proteins and function in signal transduction and cell structure. ARMCX3 (armadillo repeat containing, X-linked 3), also known as ALEX3 (ARM protein lost in epithelial cancers on chromosome X 3), is a single pass membrane protein belonging to the armadillo repeat family of proteins. ARMCX3 contains three ARM repeats and shares 60% sequence similarity with the related proteins, ARMCX1 and ARMCX2. ARMCX3 is believed to play a role in embryonic development and tissue maintenance and may also function as a tumor suppressor.

REFERENCES

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2. Online Mendelian Inheritance in Man, OMIM™. 2002. Johns Hopkins University, Baltimore, MD. MIM Number: 300364. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>
3. Hsia, N. and Cornwall, G.A. 2004. DNA microarray analysis of region-specific gene expression in the mouse epididymis. *Biol. Reprod.* 70: 448-457.
4. Smith, C.A., McClive, P.J. and Sinclair, A.H. 2005. Temporal and spatial expression profile of the novel armadillo-related gene, ALEX2, during testicular differentiation in the mouse embryo. *Dev. Dyn.* 233: 188-193.
5. Olsen, J.V., Blagoev, B., Gnäd, F., Macek, B., Kumar, C., Mortensen, P. and Mann, M. 2006. Global, *in vivo*, and site-specific phosphorylation dynamics in signaling networks. *Cell* 127: 635-648.

CHROMOSOMAL LOCATION

Genetic locus: ARMCX3 (human) mapping to Xq22.1.

PRODUCT

ARMCX3 (h2): 293T Lysate represents a lysate of human ARMCX3 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

ARMCX3 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive ARMCX3 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.