

Annexin XI (h): 293T Lysate: sc-170010

BACKGROUND

The Annexin family of calcium-binding proteins is composed of at least ten mammalian genes. It is characterized by a conserved core domain, which binds to phospholipids in a Ca^{2+} -dependent manner, and a unique amino terminal region, which may confer binding specificity. The Annexin family has been implicated as regulators of such diverse processes as ion-flux, endocytosis and exocytosis, and cellular adhesion. Two forms of Annexin XI, designated A and B, have been identified. Transfection of COS-7 cells with Annexin XI-A, but not Annexin XI-B, causes formation of Annexin XI-associated vesicles.

REFERENCES

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2. Waisman, D.M. 1995. Annexin II tetramer: structure and function. *Mol. Cell Biochem.* 149-150: 301-322.
3. Mailliard, W.S., Haigler, H.T. and Schlaepfer, D.D. 1996. Calcium-dependent binding of S100C to the N-terminal domain of Annexin I. *J. Biol. Chem.* 271: 719-725.
4. Chasserot-Golaz, S., Vitale, N., Sagot, I., Delouche, B., Dirrig, S., Pradel, L.A., Henry, J.P., Aunis, D. and Bader, M.F. 1996. Annexin II in exocytosis: catecholamine secretion requires the translocation of p36 to the subplasmalemmal region in chromaffin cells. *J. Cell Biol.* 133: 1217-1236.
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6. Williams, L.H., McClive, P.J., Van Den Bergen, J.A. and Sinclair, A.H. 2005. Annexin XI co-localizes with calyculin in proliferating cells of the embryonic mouse testis. *Dev. Dyn.* 234: 432-437.

CHROMOSOMAL LOCATION

Genetic locus: ANXA11 (human) mapping to 10q22.3.

PRODUCT

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

APPLICATIONS

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

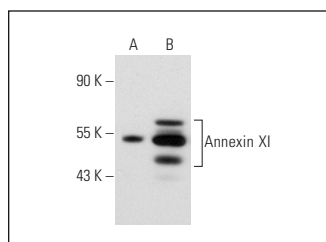
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Annexin XI (A-12): sc-55494 is recommended as a positive control antibody for Western Blot analysis of enhanced human Annexin XI expression in Annexin XI transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

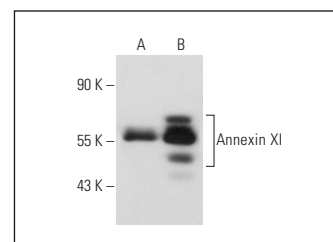
RECOMMENDED SUPPORT REAGENTS

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



Annexin XI (A-12): sc-55494. Western blot analysis of Annexin XI expression in non-transfected: sc-117752 (A) and human Annexin XI transfected: sc-170010 (B) 293T whole cell lysates.



Annexin XI (D-12): sc-46686. Western blot analysis of Annexin XI expression in non-transfected: sc-117752 (A) and human Annexin XI transfected: sc-170010 (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.

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.