

Annexin XI (m): 293T Lysate: sc-118437

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

1. Smith, P.D. and Moss, S.E. 1994. Structural evolution of the Annexin supergene family. *Trends Genet.* 10: 241-246.
2. Waisman, D.M. 1995. Annexin II tetramer: structure and function. *Mol. Cell. Biochem.* 149-150: 301-322.
3. Mailliar, W.S., et al. 1996. Calcium-dependent binding of S100C to the N-terminal domain of Annexin I. *J. Biol. Chem.* 271: 719-725.
4. Chasserot-Golaz, S., et al. 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.
5. Sudo, T., et al. 1996. Isoform-specific intracellular vesicle formation by recombinant Annexin XI-A in Sf9 cells. *Biochem. Biophys. Res. Commun.* 223: 706-711.
6. Williams, L.H., et al. 2005. Annexin XI co-localises with Calyculin in proliferating cells of the embryonic mouse testis. *Dev. Dyn.* 234: 432-437.

CHROMOSOMAL LOCATION

Genetic locus: Anxa11 (mouse) mapping to 14 A3.

PRODUCT

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

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.

APPLICATIONS

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

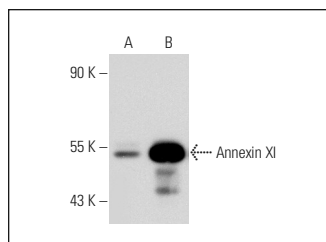
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Annexin XI (D-12): sc-46686 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse Annexin XI expression in Annexin XI transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

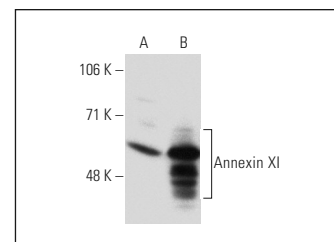
RECOMMENDED SUPPORT REAGENTS

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 (D-12): sc-46686. Western blot analysis of Annexin XI expression in non-transfected: sc-117752 (A) and mouse Annexin XI transfected: sc-118437 (B) 293T whole cell lysates.



Annexin XI (16): sc-136382. Western blot analysis of Annexin XI expression in non-transfected: sc-117752 (A) and mouse Annexin XI transfected: sc-118437 (B) 293T whole cell lysates.

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.