Annexin VI (h): 293 Lysate: sc-113205



The Power to Question

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 Ca²⁺-dependent manner, and a unique aminoterminal 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. When overexpressed in A-431 cells, Annexin VI causes a partial reversal of the transformed phenotype. It has been hypothesized that growth-dependent posttranslational modifications of annexins are required for proper sub-cellular localization. Annexin VII, also referred to as synexin, is located at the plasma membrane in nor-mal muscle tissue. However, in muscle samples from patients suffering from Duchenne's muscular dystrophy, Annexin VII, along with Annexins IV and VI, is released into the cytoplasm and later, as the disease progresses, into the extracellular space. 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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- 6. Selbert, S., Fischer, P., Menke, A., Jockusch, H., Pongratz, D. and Noegel, A.A. 1996. Annexin VII relocalization as a result of dystrophin deficiency. Exp. Cell Res. 222: 199-208.
- Sudo, T., Mamiya, N., Goto, M., Watanabe, Y. and Hidaka, H. 1996. Isoform-specific intracellular vesicle formation by recombinant Annexin XI-A in SF9 cells. Biochem. Biophys. Res. Commun. 223: 706-711.

CHROMOSOMAL LOCATION

Genetic locus: ANXA6 (human) mapping to 5q33.1.

PRODUCT

Annexin VI (h): 293 Lysate represents a lysate of human Annexin VI transfected 293 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 VI (h): 293 Lysate is suitable as a Western Blotting positive control for human reactive Annexin VI antibodies. Recommended use: 10-20 μ I per lane

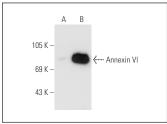
Control 293 Lysate: sc-110760 is available as a Western Blotting negative control lysate derived from non-transfected 293 cells.

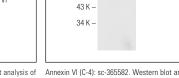
Annexin VI (G-10): sc-166807 is recommended as a positive control antibody for Western Blot analysis of enhanced human Annexin VI expression in Annexin VI transfected 293 cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-lgG κ BP-HRP: sc-516102 or m-lgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz MarkerTM Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA





90 K -

Annexin VI (G-10): sc-166807. Western blot analysis of Annexin VI expression in non-transfected: sc-110760 (A) and human Annexin VI transfected: sc-113205 (B) 293 whole cell Ivsates.

Annexin VI (C-4): sc-365582. Western blot analysis of Annexin VI expression in non-transfected: sc-110760 (A) and human Annexin VI transfected: sc-113205 (B) 293 whole cell Ivsates.

Annexin VI

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.