



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Annexin VIII (m2): 293T Lysate: sc-118436

BACKGROUND

The annexin family is composed of at least ten mammalian genes that encode calcium-binding proteins. The annexin proteins are characterized by a conserved core domain, which binds to phospholipids in a calcium-dependent manner. Annexin family members have been implicated as regulators of such diverse processes as ion flux, endocytosis and exocytosis, and cellular adhesion. Annexin V is ubiquitously expressed at high levels in tissues and cells grown in tissue culture, while Annexin VIII exhibits a more limited distribution. Where coexpressed in the same tissues, Annexin VIII is often expressed at a 100-fold lower level than Annexin V. However, Annexin VIII is preferentially expressed in acute promyelocytic leukemia (APL) cells, which may relate to its role in hematopoietic cell differentiation.

REFERENCES

- Smith, P.D. and Moss, S.E. 1994. Structural evolution of the annexin supergene family. *Trends Genet.* 10: 241-246.
- Chan, H.C., Kaetzel, M.A., Gotter, A.L., Dedman, J.R. and Nelson, D.J. 1994. Annexin IV inhibits calmodulin-dependent protein kinase II-activated chloride conductance. A novel mechanism for ion channel regulation. *J. Biol. Chem.* 269: 32464-32468.
- Reutelingsperger, C.P., van Heerde, W., Hauptmann, R., Maassen, C., van Gool, R.G., de Leeuw, P. and Tiebosch, A. 1994. Differential tissue expression of Annexin VIII in human. *FEBS Lett.* 349: 120-124.
- Liu, J.H., Stass, S.A. and Chang, K.S. 1994. Expression of the Annexin VIII gene in acute promyelocytic leukemia. *Leuk. Lymph.* 13: 381-386.
- Rothhut, B., Dubois, T., Feliers, D., Russo-Marie, F. and Oudinet, J.P. 1995. Inhibitory effect of Annexin V on protein kinase C activity in mesangial cell lysates. *Eur. J. Biochem.* 232: 865-872.
- Mailliard, W.S., Haigler, H.T. and Schlaepfer, D.D. 1996. Calcium-dependent binding of S-100C to the N-terminal domain of Annexin I. *J. Biol. Chem.* 271: 719-725.
- Favier-Perron, B., Lewit-Bentley, A. and Russo-Marie, F. 1996. The high-resolution crystal structure of human Annexin III shows subtle differences with Annexin V. *Biochemistry* 35: 1740-1744.
- Liemann, S., Benz, J., Burger, A., Voges, D., Hofmann, A., Huber, R. and Gottig, P. 1996. Structural and functional characterization of the voltage sensor in the ion channel human Annexin V. *J. Mol. Biol.* 258: 555-561.

CHROMOSOMAL LOCATION

Genetic locus: Anxa8 (mouse) mapping to 14 B.

PRODUCT

Annexin VIII (m2): 293T Lysate represents a lysate of mouse Annexin VIII 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 VIII (m2): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive Annexin VIII antibodies. Recommended use: 10-20 µl per lane.

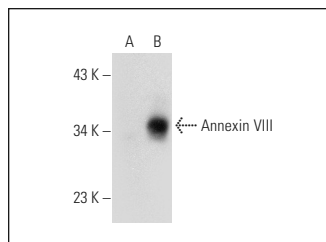
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Annexin VIII (C-11): sc-514498 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse Annexin VIII expression in Annexin VIII 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 VIII (C-11): sc-514498. Western blot analysis of Annexin VIII expression in non-transfected: sc-117752 (A) and mouse Annexin VIII transfected: sc-118436 (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.