



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) 

UBQLN3 (h2): 293T Lysate: sc-173159

BACKGROUND

Ubiquitin (Ub) is among the most phylogenetically conserved proteins known. The primary function of this small, 76 amino acid protein is to clear abnormal, foreign and improperly folded proteins by targeting them for degradation by the 26S proteasome. Many ubiquitin-like proteins function as post-translational protein modifiers, such as members of the SUMO protein family, however some ubiquitin-like proteins regulate protein-protein interactions and cell cycle events, thereby functioning outside of the traditional ubiquitination pathway. UBQLN3 (ubiquilin-3) is a 654 amino acid protein containing one N-terminal ubiquitin-like (UBQ) domain and one C-terminal UBA domain. With expression limited to testis, it has been suggested that UBQLN3 may associate with testis-specific cyclin A1 and/or cyclin A to regulate the cell cycle during spermatogenesis. Similarly, a family member related to UBQLN3, namely PLIC-1, also known as Ubiquilin-1, may also play a critical role in cell cycle regulation.

REFERENCES

- Conklin, D., Holderman, S., Whitmore, T.E., Maurer, M. and Feldhaus, A.L. 2000. Molecular cloning, chromosome mapping and characterization of UBQLN3 a testis-specific gene that contains an ubiquitin-like domain. *Gene* 249: 91-98.
- Bulger, M., Bender, M.A., van Doorninck, J.H., Wertman, B., Farrell, C.M., Felsenfeld, G., Groudine, M. and Hardison, R. 2000. Comparative structural and functional analysis of the olfactory receptor genes flanking the human and mouse β -globin gene clusters. *Proc. Natl. Acad. Sci. USA* 97: 14560-14565.
- Su, H.L. and Li, S.S. 2002. Molecular features of human ubiquitin-like SUMO genes and their encoded proteins. *Gene* 296: 65-73.
- Glickman, M.H. and Ciechanover, A. 2002. The ubiquitin-proteasome proteolytic pathway: destruction for the sake of construction. *Physiol. Rev.* 82: 373-428.
- Online Mendelian Inheritance in Man, OMIM™. 2002. Johns Hopkins University, Baltimore, MD. MIM Number: 605473. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>
- Bensemain, F., Chapuis, J., Tian, J., Shi, J., Thaker, U., Lendon, C., Iwatsubo, T., Amouyel, P., Mann, D. and Lambert, J.C. 2006. Association study of the ubiquilin gene with Alzheimer's disease. *Neurobiol. Dis.* 22: 691-693.
- Golan, M.P., Melquist, S., Safranow, K., Styczynska, M., Stowik, A., Kobrys, M., Zekanowski, C. and Barcikowska, M. 2008. Analysis of UBQLN1 variants in a Polish Alzheimer's disease patient: control series. *Dement. Geriatr. Cogn. Disord.* 25: 366-371.

CHROMOSOMAL LOCATION

Genetic locus: UBQLN3 (human) mapping to 11p15.4.

PRODUCT

UBQLN3 (h2): 293T Lysate represents a lysate of human UBQLN3 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

UBQLN3 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive UBQLN3 antibodies. Recommended use: 10-20 μ l per lane.

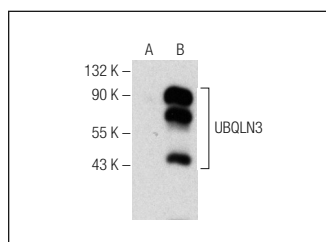
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

UBQLN3 (G-9): sc-376548 is recommended as a positive control antibody for Western Blot analysis of enhanced human UBQLN3 expression in UBQLN3 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

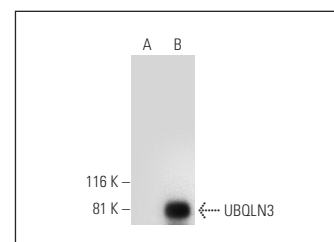
RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgG κ BP-HRP: sc-516102 or m-IgG κ 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



UBQLN3 (G-9): sc-376548. Western blot analysis of UBQLN3 expression in non-transfected: sc-117752 (A) and human UBQLN3 transfected: sc-173159 (B) 293T whole cell lysates.



UBQLN3 (B-4): sc-393634. Western blot analysis of UBQLN3 expression in non-transfected: sc-117752 (A) and human UBQLN3 transfected: sc-173159 (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.