



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) 

LZP (h): 293T Lysate: sc-373074

BACKGROUND

The epidermal growth factor (EGF) repeat-containing proteins constitute an expanding family of proteins that are involved in several cellular activities, such as blood coagulation, fibrinolysis, cell adhesion and neural and vertebrate development. LZP (liver-specific zona pellucida domain-containing protein), also known as OIT3 (oncoprotein-induced transcript 3 protein), is a 545 amino acid protein that localizes to the nuclear envelope and contains one ZP domain and one EGF-like domain. Expressed specifically in liver tissue, LZP is thought to be involved in hepatocellular function and development and is downregulated in hepatocellular carcinoma, suggesting an additional role in tumor suppression. Multiple isoforms of LZP exist due to alternative splicing events.

REFERENCES

1. Appella, E., et al. 1988. Structure and function of epidermal growth factor-like regions in proteins. *FEBS Lett.* 231: 1-4.
2. Xu, Z.G., et al. 2003. A novel liver-specific zona pellucida domain containing protein that is expressed rarely in hepatocellular carcinoma. *Hepatology* 38: 735-744.
3. Xu, Z.G., et al. 2004. Identification of LZP gene from *Mus musculus* and *Rattus norvegicus* coding for a novel liver-specific ZP domain-containing secretory protein. *DNA Seq.* 15: 81-87.
4. Yang, H., et al. 2004. Identification and characterization of D8C, a novel domain present in liver-specific LZP, uromodulin and glycoprotein 2, mutated in familial juvenile hyperuricaemic nephropathy. *FEBS Lett.* 578: 236-238.
5. Tan, M.G., et al. 2004. Cloning and identification of hepatocellular carcinoma down-regulated mitochondrial carrier protein, a novel liver-specific uncoupling protein. *J. Biol. Chem.* 279: 45235-45244.
6. Online Mendelian Inheritance in Man, OMIM™. 2005. Johns Hopkins University, Baltimore, MD. MIM Number: 609330. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>
7. Shen, H.L., et al. 2009. Liver-specific ZP domain-containing protein (LZP) as a new partner of Tamm-Horsfall protein harbors on renal tubules. *Mol. Cell. Biochem.* 321: 73-83.

CHROMOSOMAL LOCATION

Genetic locus: OIT3 (human) mapping to 10q22.1.

PRODUCT

LZP (h): 293T Lysate represents a lysate of human LZP 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.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.

APPLICATIONS

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

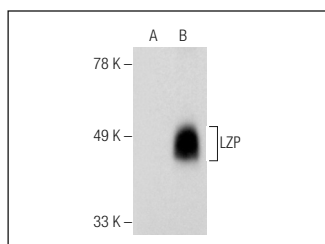
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

LZP (66CT25.7.1): sc-130807 is recommended as a positive control antibody for Western Blot analysis of enhanced human LZP expression in LZP 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



LZP (66CT25.7.1): sc-130807. Western blot analysis of LZP expression in non-transfected: sc-117752 (A) and human LZP transfected: sc-373074 (B) 293T whole cell lysates.

RESEARCH USE

For research use only, not for use in diagnostic procedures.