



Chondrolectin (h): 293T Lysate: sc-159953

BACKGROUND

Chondrolectin, also known as transmembrane protein MT75 or CHODL, is an N-glycosylated, single pass type I membrane protein that localizes to the endoplasmic reticulum (ER)-Golgi apparatus. Chondrolectin contains one carbohydrate recognition (CRD) domain and is predominantly expressed in vascular muscle of testis, red pulp of spleen and smooth muscle of prostate. Chondrolectin is also found in heart muscle, skeletal muscle and small intestine. Chondrolectin shares significant homology with the hyaluronan receptor, Layilin, but does not appear to interact with hyaluronan. At least two other isoforms of Chondrolectin exist due to alternative splicing. They are soluble proteins and are designated CHODL Δ E and CHODL Δ F. These isoforms may play an important role in T cell development.

REFERENCES

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3. Weng, L., Van Bockstaele, D.R., Wauters, J., Van Marck, E., Plum, J., Berneman, Z.N. and Merregaert, J. 2003. A novel alternative spliced Chondrolectin isoform lacking the transmembrane domain is expressed during T cell maturation. *J. Biol. Chem.* 278: 19164-19170.
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5. Claessens, A., Van de Vijver, K., Van Bockstaele, D.R., Wauters, J., Berneman, Z.N., Van Marck, E. and Merregaert, J. 2007. Expression and localization of CHODL Δ E/ CHODL Δ F, the soluble isoform of Chondrolectin. *Cell Biol. Int.* 31: 1323-1330.

CHROMOSOMAL LOCATION

Genetic locus: CHODL (human) mapping to 21q21.1.

PRODUCT

Chondrolectin (h): 293T Lysate represents a lysate of human Chondrolectin transfected 293T cells and is provided as 100 μ g protein in 200 μ l 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

Chondrolectin (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive Chondrolectin antibodies.

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

RESEARCH USE

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