



Polycystin-L (h): 293T Lysate: sc-114100

BACKGROUND

Polycystin-L, also known as PKD2L1 (polycystic kidney disease 2-like 1), PCL, PKDL or PKD2L, is an 805 amino acid multi-pass membrane protein that belongs to the polycystin family of transmembrane proteins. Expressed in brain, heart, testis, spleen, liver and skeletal muscle, as well as in fetal kidney and liver, Polycystin-L functions as a calcium-regulated cation channel that is permeable to sodium, potassium and calcium and is involved in cell-cell and cell-matrix interactions. Polycystin-L shares 50% amino acid identity with a related family member, Polycystin-2, suggesting that Polycystin-L may be involved in the pathogenesis of polycystic kidney disease. Multiple alternatively spliced isoforms of Polycystin-L exist, all of which are encoded by a gene that maps to human chromosome 10.

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CHROMOSOMAL LOCATION

Genetic locus: PKD2L1 (human) mapping to 10q24.31.

RESEARCH USE

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

PRODUCT

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

APPLICATIONS

Polycystin-L (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive Polycystin-L 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.

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.