



PhLP (h3): 293T Lysate: sc-170409

BACKGROUND

Phosducin-like protein (PhLP, PDCL) is an ethanol-responsive modulator of heterotrimeric G proteins. The protein shares extensive amino acid sequence homology with phosducin (Phd), a phosphoprotein expressed in retina and pineal gland. Both PhLP and Phd regulate G protein signaling by binding to the $\beta\gamma$ subunits of G proteins. PhLP interacts with $G_{\beta\gamma}$ via a short C-terminal binding site. Additionally, PhLP acts as a substrate for GRK 2 phosphorylation at the same C-terminal binding site between residues 195 and 218. PhLPs may participate directly in the regulation of calcium-evoked exocytosis in adrenal medullary chromaffin cells. Glycosylated PhLP regulates opioid receptor function in mouse brain.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: PDCL (human) mapping to 9q33.2.

PRODUCT

PhLP (h3): 293T Lysate represents a lysate of human PhLP transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

PhLP (h3): 293T Lysate is suitable as a Western Blotting positive control for human reactive PhLP 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.

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.