

PL6 (h2): 293T Lysate: sc-173883

BACKGROUND

Transmembrane proteins contain transmembrane domains that are usually characterized by α -helical structures. Transmembrane proteins exist as thermodynamically stable hetero- and homodimers that interact with the lipid bilayer and are involved in both material exchange and communication between the cell and the environment. PL6, also referred to as TMEM115 (transmembrane protein 115) or PP6 (placental protein 6), is a 351 amino acid multi-pass membrane protein that is highly expressed in kidney and skeletal muscle with lower levels of expression detected in liver, placenta, pancreas, lung, heart and brain. PL6 contains one phosphoserine residue and several transmembrane domains, suggesting that it may participate in protein exchange and signaling events between cells.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TMEM115 (human) mapping to 3p21.31.

PRODUCT

PL6 (h2): 293T Lysate represents a lysate of human PL6 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

PL6 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive PL6 antibodies. Recommended use: 10-20 μ l per lane.

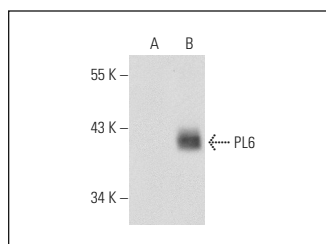
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

PL6 (38-K): sc-100652 is recommended as a positive control antibody for Western Blot analysis of enhanced human PL6 expression in PL6 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



PL6 (38-K): sc-100652. Western blot analysis of PL6 expression in non-transfected: sc-117752 (A) and human PL6 transfected: sc-173883 (B) 293T whole cell lysates.

RESEARCH USE

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