

PCDHB15 (h): 293T Lysate: sc-115416

BACKGROUND

Protocadherins are a large family of cadherin-like cell adhesion proteins that are involved in the establishment and maintenance of neuronal connections in the brain. There are three protocadherin gene clusters designated α , β and γ , all of which contain multiple tandemly arranged genes. PCDHB15 (protocadherin β 15) is a 787 amino acid protein that is one of 16 proteins in the protocadherin β cluster. Unlike the α and γ gene clusters whose genes are spliced to downstream constant region exons during transcription, members of the β cluster (such as PCDHB15) do not use constant region exons to produce mRNAs. As a result, each protocadherin β gene encodes the transmembrane, extracellular and short cytoplasmic domains of the protein. Localized to the cell membrane, PCDHB15 is a single-pass type I membrane protein that contains six cadherin domains.

REFERENCES

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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.

CHROMOSOMAL LOCATION

Genetic locus: PCDHB15 (human) mapping to 5q31.3.

PRODUCT

PCDHB15 (h): 293T Lysate represents a lysate of human PCDHB15 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

PCDHB15 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive PCDHB15 antibodies. Recommended use: 10-20 μ l per lane.

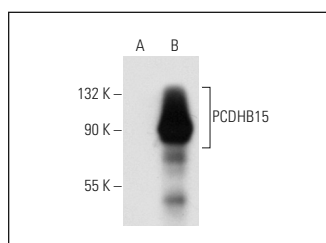
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

PCDHB15/Pcdhb22 (F-10): sc-133257 is recommended as a positive control antibody for Western Blot analysis of enhanced human PCDHB15 expression in PCDHB15 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



PCDHB15/Pcdhb22 (F-10): sc-133257. Western blot analysis of PCDHB15 expression in non-transfected: sc-117752 (A) and human PCDHB15 transfected: sc-115416 (B) 293T whole cell lysates.

RESEARCH USE

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