



cadherin (h): 293T Lysate: sc-112608

BACKGROUND

The cadherins are a family of Ca^{2+} -dependent adhesion molecules that function to mediate cell-cell binding critical to the maintenance of structure and morphogenesis. Cadherins each contain a large extracellular domain at the N-terminus, which is characterized by a series of five homologous repeats, the most distal of which is thought to be responsible for binding specificity. Cadherin-20, also known as protocadherin γ B4, is a member of the protocadherin γ gene cluster. Expressed primarily in fibroblasts, cadherin-20 plays a critical role in neuronal cell-cell connections in the brain. Through its ability to mediate cell-cell adhesion, cadherin-20 is thought to help the body respond to injury by regulating post-traumatic wound healing.

REFERENCES

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4. Weiner, J.A., et al. 2005. γ protocadherins are required for synaptic development in the spinal cord. *Proc. Natl. Acad. Sci. USA* 102: 8-14.
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7. Sjöblom, T., et al. 2006. The consensus coding sequences of human breast and colorectal cancers. *Science* 314: 268-274.
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CHROMOSOMAL LOCATION

Genetic locus: CELSR2 (human) mapping to 1p21.

PRODUCT

cadherin (h): 293T Lysate represents a lysate of human cadherin transfected 293T cells and is provided as 100 μg protein in 200 μl 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

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

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.