

T2-cadherin (A-23): sc-130891

BACKGROUND

The cadherins are a family of Ca²⁺-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. T2-cadherin, also known as cadherin-10 or CDH10, is a 788 amino acid single-pass type I membrane protein that belongs to the cadherin family and contains five cadherin domains. Expressed predominately in brain, but also found in prostate and both adult and fetal kidney, T2-cadherin functions as a calcium-dependent cell adhesion protein that is thought to be involved in the maintenance of synaptic adhesions, axon outgrowth and guidance.

REFERENCES

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STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

CHROMOSOMAL LOCATION

Genetic locus: CDH10 (human) mapping to 5p14.2.

SOURCE

T2-cadherin (A-23) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the C-terminus of T2-cadherin of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

T2-cadherin (A-23) is recommended for detection of T2-cadherin of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

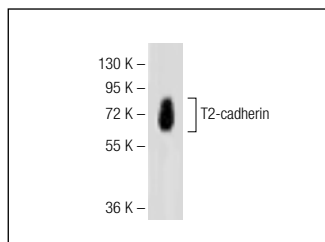
Suitable for use as control antibody for T2-cadherin siRNA (h): sc-106589, T2-cadherin shRNA Plasmid (h): sc-106589-SH and T2-cadherin shRNA (h) Lentiviral Particles: sc-106589-V.

Molecular Weight of T2-cadherin: 120 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941. 3) Immunohistochemistry: use ImmunoCruz™: sc-2051 or ABC: sc-2018 rabbit IgG Staining Systems.

DATA



T2-cadherin (A-23): sc-130891. Western blot analysis of T2-cadherin expression in NCI-H460 whole cell lysate.

RESEARCH USE

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