

CDH20 (E-16): sc-84782

BACKGROUND

The cadherins are a family of calcium-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. CDH20 (cadherin 20, type 2), also known as Cdh7 or CDH7L3, is an 801 amino acid single-pass type I membrane protein that contains 5 cadherin domains and belongs to the cadherin superfamily. Expressed in both adult and fetal brain, as well as in placenta, CDH20 functions as a calcium-dependent cell adhesion protein that is thought to participate in the sorting of heterogeneous cell types.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CDH20 (human) mapping to 18q21.33; Cdh20 (mouse) mapping to 1 E2.1.

SOURCE

CDH20 (E-16) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping within a cytoplasmic domain of CDH20 of human origin.

STORAGE

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

PRODUCT

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

Blocking peptide available for competition studies, sc-84782 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

CDH20 (E-16) is recommended for detection of CDH20 of mouse, rat and 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) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

CDH20 (E-16) is also recommended for detection of CDH20 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for CDH20 siRNA (h): sc-72843, CDH20 siRNA (m): sc-142223, CDH20 shRNA Plasmid (h): sc-72843-SH, CDH20 shRNA Plasmid (m): sc-142223-SH, CDH20 shRNA (h) Lentiviral Particles: sc-72843-V and CDH20 shRNA (m) Lentiviral Particles: sc-142223-V.

Molecular Weight of CDH20: 89 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.

RESEARCH USE

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

PROTOCOLS

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