# claudin-9 (h): 293T Lysate: sc-111384



The Power to Ouestion

### **BACKGROUND**

The claudin superfamily consists of many structurally related proteins in humans. These proteins are important structural and functional components of tight junctions in paracellular transport. Claudins are located in both epithelial and endothelial cells in all tight junction-bearing tissues. Three classes of proteins are known to localize to tight junctions, including the claudins, Occludin and junction adhesion molecule. Claudins, which consist of four transmembrane domains and two extracellular loops make up tight junction strands. Claudin expression is often highly restricted to specfic regions of different tissues and may have an important role in transcellular transport through tight junctions. Claudin-9 is highly similar to claudin-3 (also designated clostridium perfringens enterotoxin receptor). Claudin-9 is expressed in simian virus (SV)40-immortalized human corneal epithelial (THCE) cells. The human claudin-9 gene maps to chromosome 16p13.3.

### **REFERENCES**

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## **CHROMOSOMAL LOCATION**

Genetic locus: CLDN9 (human) mapping to 16p13.3.

#### **PRODUCT**

claudin-9 (h): 293T Lysate represents a lysate of human claudin-9 transfected 293T cells and is provided as 100  $\mu$ g protein in 200  $\mu$ 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.

### **RESEARCH USE**

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

#### **APPLICATIONS**

claudin-9 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive claudin-9 antibodies. Recommended use: 10-20  $\mu$ l per lane.

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

## **PROTOCOLS**

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

Santa Cruz Biotechnology, Inc. 1.800.457.3801 831.457.3801 fax 831.457.3801 Europe +00800 4573 8000 49 6221 4503 0 www.scbt.com