

Anti-Cadherin 8/CDH8 Antibody (20370)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	20370
Purification:	Protein A

Applications

Application:	ELISA
Recommended	ELISA: 1:5000-1:10000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human Cadherin-8 / CDH8 Protein (TMPY-01038)
Antigen Species:	Human
Synonyms:	cadherin 8, type 2

Research Background

Cadherins are integral membrane proteins that mediate calcium-dependent cell-cell adhesion. Type I cadherin proteins are composed of a large N-terminal extracellular domain, a single membrane-spanning domain, and a small, highly conserved C-terminal cytoplasmic domain. The extracellular domain consists of five subdomains, each containing a cadherin motif, and appears to determine the specificity of the protein's homophilic cell adhesion activity. Type II (atypical) cadherins are defined based on their lack of a HAV cell adhesion recognition sequence specific to type I cadherins. Cadherin 8, also known as CDH 8, is a type II classical cadherin belonging to the cadherin superfamily. As mainly expressed in brain, CDH8 is found in certain nerve cell lines, such as retinoblasts, glioma cells and neuroblasts, and is putatively involved in synaptic adhesion, axon outgrowth and guidance. Human Cadherin 8 is a 799 amino acid single-pass type I transmembrane protein with a putative 29 aa signal sequence, and a 32 aa propeptide, a 56 aa mature extracellular domain, a 21 aa transmembrane domain and a 157 aa cytoplasmic domain. The human, mouse and rat proteins share approximately 98% homology.

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