10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CDH13 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21902c

Product Information

Application	WB, E
Primary Accession	P55290
Other Accession	Q3B7N0, Q9WTR5, Q5R5W6
Reactivity	Human, Mouse
Predicted	Bovine, Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB48597
Calculated MW	78287

Additional Information

Gene ID	1012
Other Names	Cadherin-13, Heart cadherin, H-cadherin, P105, Truncated cadherin, T-cad, T-cadherin, CDH13, CDHH
Target/Specificity	This CDH13 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 222-256 amino acids from the Central region of human CDH13.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CDH13 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CDH13
Synonyms	CDHH
Function	Cadherins are calcium-dependent cell adhesion proteins. They

	preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. May act as a negative regulator of neural cell growth.
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:Q9WTR5}; Lipid-anchor, GPI-anchor. Cytoplasm {ECO:0000250|UniProtKB:Q9WTR5}
Tissue Location	Highly expressed in heart. In the CNS, expressed in cerebral cortex, medulla, hippocampus, amygdala, thalamus and substantia nigra. No expression detected in cerebellum or spinal cord

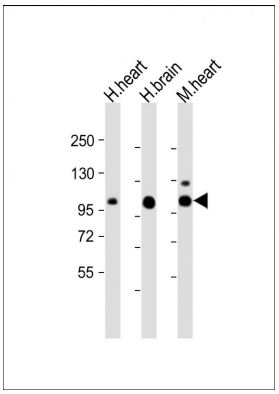
Background

Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. May act as a negative regulator of neural cell growth.

References

Tanihara H.,et al.Cell Adhes. Commun. 2:15-26(1994).
Lee S.W.,et al.Nat. Med. 2:776-782(1996).
Sato M.,et al.Hum. Genet. 103:96-101(1998).
Liu Q.-R.,et al.Submitted (OCT-2007) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Images



All lanes : Anti-CDH13 Antibody (Center) at 1:2000 dilution Lane 1: human heart lysate Lane 2: human brain lysate Lane 3: mouse heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 78 kDa Blocking/Dilution buffer: 5% NFDM/TBST.