
Product Name: T-cadherin Rabbit Polyclonal Antibody**Catalog #: APRab18714**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
Molecular Weight	78kDa

Antigen Information

Gene Name	CDH13
Alternative Names	CDH13; CDHH; Cadherin-13; Heart cadherin; H-cadherin; P105; Truncated cadherin; T-cad; T-cadherin
Gene ID	1012.0
SwissProt ID	P55290
Immunogen	The antiserum was produced against synthesized peptide derived from human CDH13. AA range:331-380

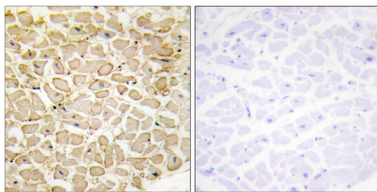
Background

This gene encodes a member of the cadherin superfamily. The encoded protein is localized to the surface of the cell membrane and is anchored by a GPI moiety, rather than by a transmembrane domain. The protein lacks the cytoplasmic domain characteristic of other cadherins, and so is not thought to be a cell-cell adhesion glycoprotein. This protein acts as a negative regulator of axon growth during neural differentiation. It also protects vascular endothelial cells from apoptosis due to oxidative stress, and is associated with resistance to atherosclerosis. The gene is hypermethylated in many types of cancer. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2011],developmental stage:Expressed at higher levels in adult brain than in developing brain.,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.,similarity:Contains 5 cadherin domains.,tissue specificity: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.,

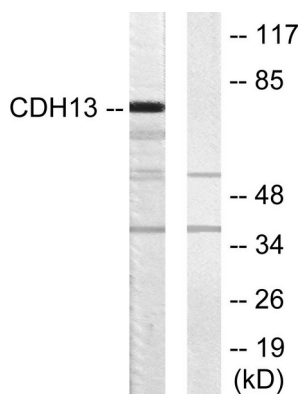
Research Area

Adherens_Junction

Image Data



Immunohistochemistry analysis of paraffin-embedded human heart tissue, using CDH13 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from LOVO cells, using CDH13 Antibody. The lane on the right is blocked with the synthesized peptide.

Western Blot analysis of LOVO cells using T-cadherin Polyclonal Antibody

