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H Cadherin (CDH13) Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1434b

Specification

H Cadherin (CDH13) Antibody (C-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	P55290
Other Accession	Q9WTR5, P33150
Reactivity	**Human**
Predicted	**Chicken, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**589-617**

H Cadherin (CDH13) Antibody (C-term) - 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 H Cadherin (CDH13) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 589-617 amino acids from the C-terminal region of human H Cadherin (CDH13).

Dilution
WB~~1:1000
IHC-P~~1:10~50
FC~~1:10~50

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
H Cadherin (CDH13) Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

H Cadherin (CDH13) Antibody (C-term) - Protein Information

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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}

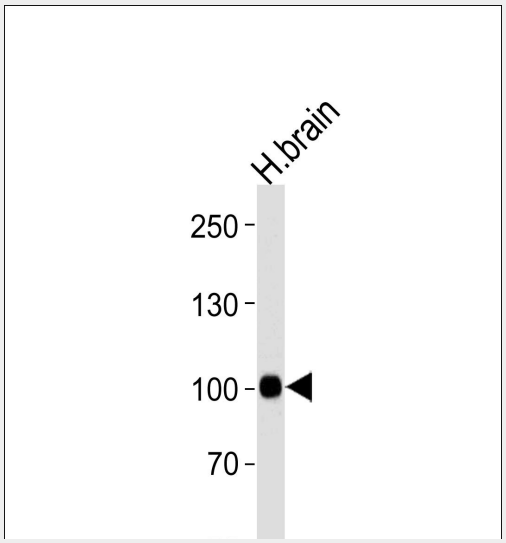
Tissue Location
Highly expressed in heart. In the CNS, expressed in cerebral cortex, medulla, hippocampus, amygdala, thalamus and substantia nigra. No expression detected in cerebellum or spinal cord

H Cadherin (CDH13) Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

H Cadherin (CDH13) Antibody (C-term) - Images



Western blot analysis of lysate from human brain tissue lysate, using CDH13 Antibody (C-term)(Cat. #AP1434b). AP1434b was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.

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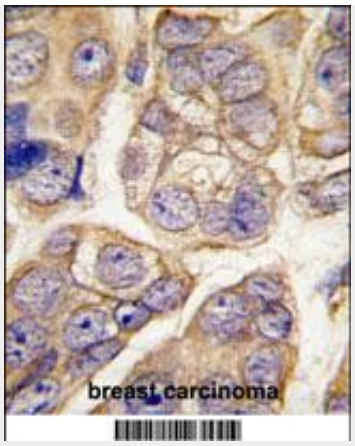
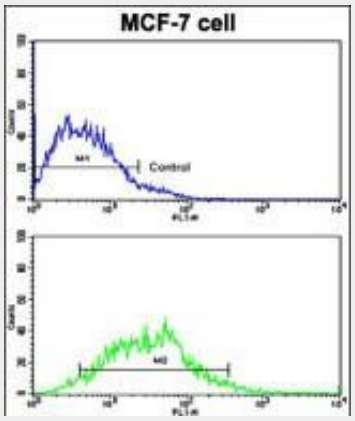


Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with CDH13 antibody (C-term) (Cat.#AP1434b), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow cytometric analysis of MCF-7 cells using H Cadherin (CDH13) Antibody (C-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

H Cadherin (CDH13) Antibody (C-term) - Background

CDH13 is a member of the cadherin superfamily. This protein is a calcium dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region but, unlike the typical cadherin superfamily member, lacks the highly conserved cytoplasmic region. This particular cadherin is a putative mediator of cell-cell interaction in the heart and may act as a negative regulator of neural cell growth.

H Cadherin (CDH13) Antibody (C-term) - References

Qian,Z.R., Mod. Pathol. 20 (12), 1269-1277 (2007)
Tsou,J.A., Mol. Cancer 6, 70 (2007)

H Cadherin (CDH13) Antibody (C-term) - Citations

- Epicardial Adipose Tissue Removal Potentiates Outward Remodeling and Arrests Coronary Atherogenesis.