CDH20 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9870a

Specification

CDH20 Antibody (N-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	Q9HBT6
Other Accession	Q5DWV1, Q9Z0M3
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**88993**
Antigen Region	**111-140**

CDH20 Antibody (N-term) - Additional Information

Gene ID 28316

Other Names
Cadherin-20, CDH20, CDH7L3

Target/Specificity
This CDH20 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 111-140 amino acids from the N-terminal region of human CDH20.

Dilution
WB~~1:1000
IHC-P~~1:50~100
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
CDH20 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CDH20 Antibody (N-term) - Protein Information

Name CDH20

Synonyms CDH7L3

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.

Cellular Location
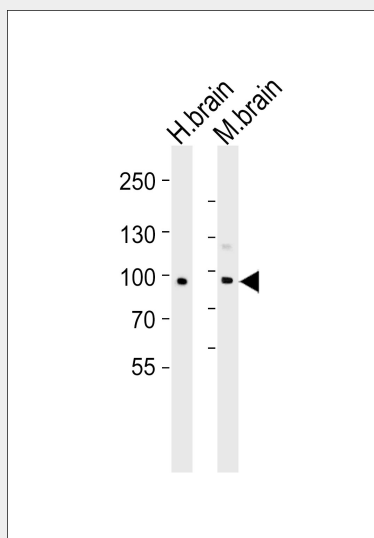Cell membrane; Single-pass type I membrane protein

Tissue Location
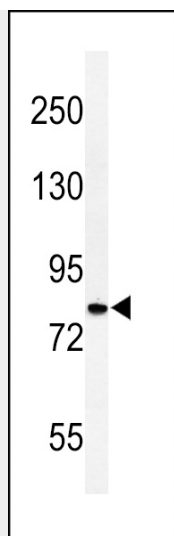Expressed in placenta, adult brain, and fetal brain

CDH20 Antibody (N-term) - Protocols

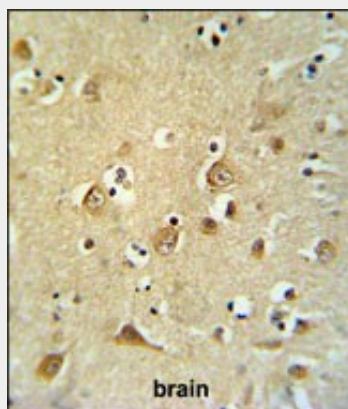Provided below are standard protocols that you may find useful for product applications.

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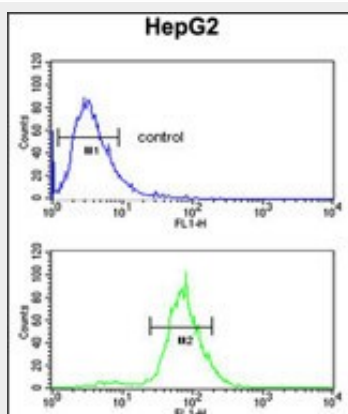- Cell Culture

CDH20 Antibody (N-term) - Images

Western blot analysis of lysates from human brain and mouse brain tissue lysate(from left to right), using CDH20 Antibody (N-term)(Cat. #AP9870a). AP9870a 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. Lysates at 35ug per lane.

Western blot analysis of CDH20 Antibody (N-term) (Cat. #AP9870a) in HepG2 cell line lysates (35ug/lane). CDH20 (arrow) was detected using the purified Pab.

CDH20 Antibody (N-term) (Cat. #AP9870a) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CDH20 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

CDH20 Antibody (N-term) (Cat. #AP9870a) flow cytometric analysis of HepG2 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

CDH20 Antibody (N-term) - Background

This gene is a type II classical cadherin from the cadherin superfamily and one of three cadherin 7-like genes located in a cluster on chromosome 18. The encoded membrane protein is a calcium dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Type II (atypical) cadherins are defined based on their lack of a HAV cell adhesion recognition sequence specific to type I cadherins. Since disturbance of intracellular adhesion is a prerequisite for invasion and metastasis of tumor cells, cadherins are considered prime candidates for tumor suppressor genes.

CDH20 Antibody (N-term) - References

Kools, P., et al. Genomics 68(3):283-295(2000)