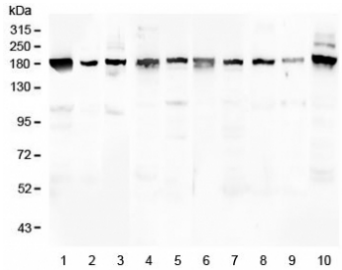
PCDH15 Antibody / Protocadherin 15 (RQ4652)

Catalog No.	Formulation	Size
RQ4652	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

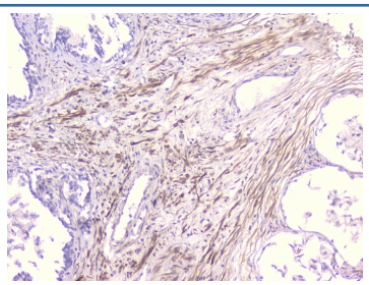
Citations (1)

Bulk quote request

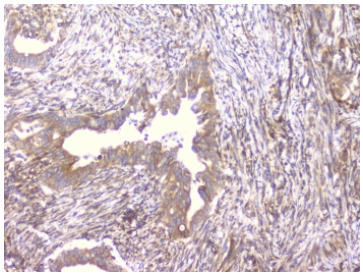
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q96QU1
Localization	Plasma membrane, secreted
Applications	0.5-1ug/ml1-2ug/ml1-3ug/10^6 cells
Limitations	This PCDH15 antibody is available for research use only.



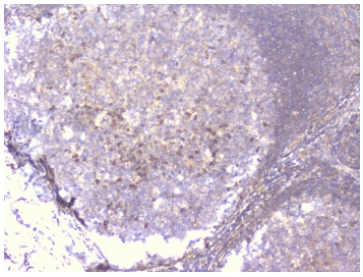
Western blot testing of 1) human placenta 2) human U-2 OS, 3) human HeLa, 4) rat brain, 5) rat lung, 6) mouse brain, 7) mouse lung, 8) mouse kidney, 9) mouse spleen and 10) mouse Neuro-2a lysate with PCDH15 antibody at 0.5ug/ml. Isoforms have been observed with molecular weights of: 250, 180, 160, 130, 90 and 60 kDa.



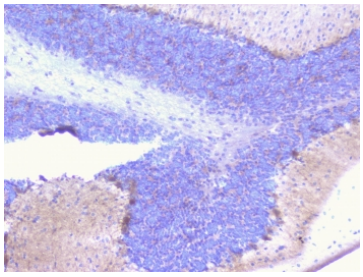
IHC staining of FFPE human prostate cancer with PCDH15 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



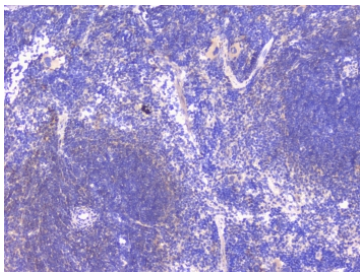
IHC staining of FFPE human rectal cancer with PCDH15 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



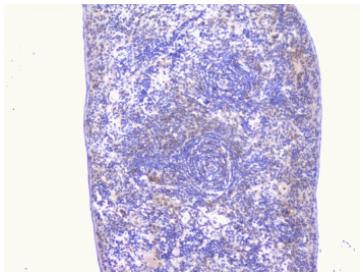
IHC staining of FFPE human tonsil with PCDH15 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



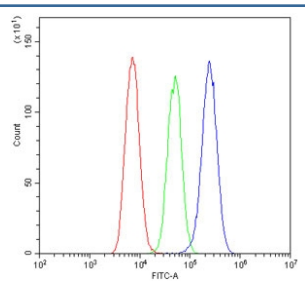
IHC staining of FFPE mouse brain with PCDH15 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC staining of FFPE mouse spleen with PCDH15 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC staining of FFPE rat spleen with PCDH15 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



Flow cytometry testing of human U-87 MG cells with PCDH15 antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PCDH15 antibody.

Description

Protocadherin-15 is a protein that in humans is encoded by the PCDH15 gene. This gene is mapped to 10q21.1. This gene is a member of the cadherin superfamily. Family members encode integral membrane proteins that mediate calcium-dependent cell-cell adhesion. It plays an essential role in maintenance of normal retinal and cochlear function. Mutations in this gene result in hearing loss and Usher Syndrome Type IF (USH1F). Extensive alternative splicing resulting in multiple isoforms has been observed in the mouse ortholog. Similar alternatively spliced transcripts are inferred to occur in human, and additional variants are likely to occur.

Application Notes

Optimal dilution of the PCDH15 antibody should be determined by the researcher.

Immunogen

Amino acids DLTVYAIDPQTNRAIDRNELFKFLDGKLLDINKDFQ were used as the immunogen for the PCDH15 antibody.

Storage

After reconstitution, the PCDH15 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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