

For Research Use Only

PCDH15 Polyclonal antibody

Catalog Number: 20719-1-AP



Basic Information

Catalog Number:

20719-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_033056

GeneID (NCBI):

65217

UNIPROT ID:

Q96QU1

Full Name:

protocadherin 15

Calculated MW:

216 kDa

Observed MW:

120 kDa, 50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB: mouse brain tissue, mouse liver tissue, rat brain tissue

Background Information

Protocadherin-15 (PCDH15) belongs to the cadherin superfamily that mediates calcium-dependent cell-cell adhesion and plays an important role in the maintenance of normal tissue architecture. A homozygous variant in PCDH15 results in Usher syndrome type 1F (USH1F) which leads to congenital hearing loss and syndromic retinitis pigmentosa (PMID: 38014037). Multiple isoforms of PCDH15 have been described, including 216-250 kDa (full-length), 150-180 kDa, 100-120 kDa, 50-65 kDa, and 25-40 kDa (PMID: 22363448; 15928608; 14570705; 23035094; 28883094).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

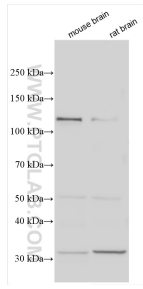
T: 4006900926

E: Proteintech-CN@ptglab.com

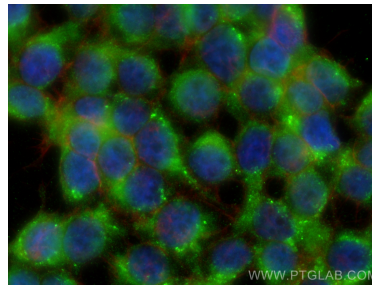
W: ptgcn.com

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Selected Validation Data



mouse brain tissue lysates were subjected to SDS PAGE followed by western blot with 20719-1-AP (PCDH15 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using PCDH15 antibody (20719-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).