

For Research Use Only

PCDH15 Polyclonal antibody

Catalog Number: 20719-1-AP



Basic Information

Catalog Number: 20719-1-AP	GenBank Accession Number: NM_033056	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 65217	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: protocadherin 15	
Isotype: IgG	Calculated MW: 216 kDa	
	Observed MW: 120 kDa, 50 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue
Species Specificity: human, mouse, rat	

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

*** 20ul sizes contain 0.1% BSA

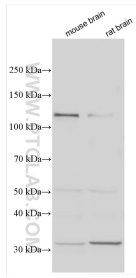
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

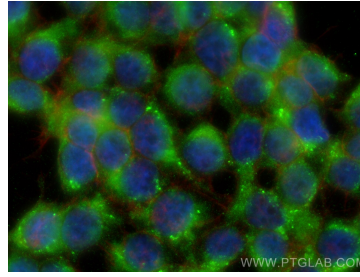
E: proteintech@ptglab.com
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Selected Validation Data



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).