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Datasheet for ABIN6719362 **anti-PCDH15 antibody**

Overview

Quantity:	100 µg
Target:	PCDH15
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCDH15 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for PCDH15 detection. Tested with WB, IHC-P, IHC-F, ICC, FCM in Human, Mouse, Rat.
Immunogen:	A synthetic peptide corresponding to a sequence of human PCDH15(DLTVYAIDPQTNRAIDRNELFKFLDGKLLDINKDFQ).
Sequence:	DLTVYAIDPQ TNRAIDRNEL FKFLDGKLLD INKDFQ
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for PCDH15 detection. Tested with WB, IHC-P, IHC-F, ICC, FCM in Human, Mouse, Rat.
Purification:	Immunogen affinity purified.

Target Details

Target:	PCDH15
Alternative Name:	PCDH15 (PCDH15 Products)
Background:	<p>Synonyms: Protocadherin-15, PCDH15, USH1F</p> <p>Background: 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.</p>
Gene ID:	65217
Pathways:	Sensory Perception of Sound

Application Details

Application Notes:	Application details: Western blot 0.1-0.5 µg/mL Immunohistochemistry(Paraffin-embedded Section) 0.5-1 µg/mL Immunohistochemistry(Frozen Section) 0.5-1 µg/mL Immunocytochemistry 0.5-1 µg/mL Flow Cytometry 1-3 µg/1x10 ⁶ cells
Comment:	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested. Optimal dilutions should be determined by end users.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: 4 °C, -20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.