Datasheet for ABIN7183278

anti-CDH23 antibody

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Overview

Quantity:	100 µL
Target:	CDH23
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDH23 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Synthesized peptide derived from internal of Human CDH23.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	CDH23
Alternative Name:	CDH23 (CDH23 Products)
Background:	Background: Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells. CDH23 is required for establishing and/or maintaining the proper organization of the stereocilia bundle of hair cells in

Target Details

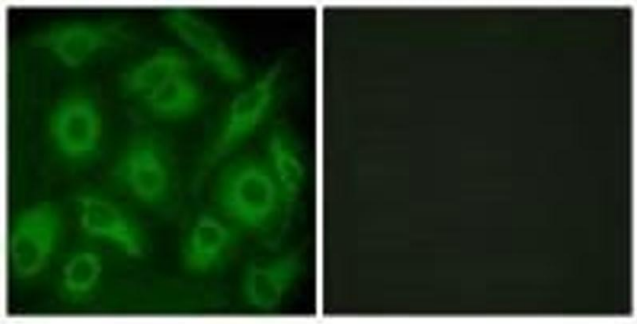
	the cochlea and the vestibule during late embryonic/early postnatal development. It is part of the functional network formed by USH1C, USH1G, CDH23 and MYO7A that mediates mechanotransduction in cochlear hair cells. Required for normal hearing. Bolz H., Nat. Genet. 27:108-112(2001). Clark H.F., Genome Res. 13:2265-2270(2003). Bork J.M., Am. J. Hum. Genet. 68:26-37(2001). Aliases: CDH23 antibody, KIAA1774 antibody, KIAA1812 antibody, UNQ1894/PRO4340Cadherin-23 antibody, Otocadherin antibody
UniProt:	Q9H251
Pathways:	Sensory Perception of Sound

Application Details

Application Notes:	IF:1:100-1:500,
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescence analysis of HeLa cells, using CDH23 antibody.