

CDH23 / Cadherin 23 Antibody (aa61-110)
Rabbit Polyclonal Antibody
Catalog # ALS14633

Specification

CDH23 / Cadherin 23 Antibody (aa61-110) - Product Information

Application	IF, IHC
Primary Accession	Q9H251
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	369kDa KDa

CDH23 / Cadherin 23 Antibody (aa61-110) - Additional Information

Gene ID 64072

Other Names

Cadherin-23, Otocadherin, CDH23, KIAA1774, KIAA1812

Target/Specificity

CDH23 Antibody detects endogenous levels of total CDH23 protein.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

CDH23 / Cadherin 23 Antibody (aa61-110) is for research use only and not for use in diagnostic or therapeutic procedures.

CDH23 / Cadherin 23 Antibody (aa61-110) - Protein Information

Name CDH23

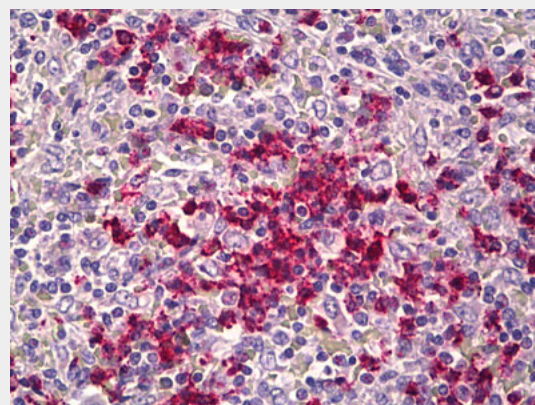
{ECO:0000303|PubMed:11138009, ECO:0000312|HGNC:HGNC:13733}

Function

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



Immunofluorescence of HeLa cells, using CDH23 Antibody.



Anti-CDH23 antibody IHC of human spleen.

CDH23 / Cadherin 23 Antibody (aa61-110) - 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 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.

CDH23 / Cadherin 23 Antibody (aa61-110) - References

Bolz H.,et al.Nat. Genet. 27:108-112(2001).
Clark H.F.,et al.Genome Res.

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Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

Particularly strong expression in the retina (PubMed:11138009). Found also in the cochlea

Volume

50 µl

13:2265-2270(2003).

Lagziel A., et al. Dev. Biol. 280:295-306(2005).

Deloukas P., et al. Nature 429:375-381(2004).

Nagase T., et al. DNA Res. 8:85-95(2001).

**CDH23 / Cadherin 23 Antibody (aa61-110)
- Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)