ELK Biotechnology

# Cadherin-23 rabbit pAb

## Cat No.:ES7147

**For research use only**

**Overview**

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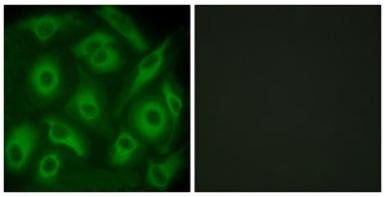
|---|---|
| **Product Name** | Cadherin-23 rabbit pAb |
| **Host species** | Rabbit |
| **Applications** | IF;ELISA |
| **Species Cross-Reactivity** | Human;Mouse;Rat |
| **Recommended dilutions** | Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications. |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human CDH23. AA range:61-110 |
| **Specificity** | Cadherin-23 Polyclonal Antibody detects endogenous levels of Cadherin-23 protein. |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Storage** | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| **Protein Name** | Cadherin-23 |
| **Gene Name** | CDH23 |
| **Cellular localization** | Cell membrane ; Single-pass type I membrane protein . |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Clonality** | Polyclonal |
| **Concentration** | 1 mg/ml |
| **Observed band** | |
| **Human Gene ID** | 64072 |
| **Human Swiss-Prot Number** | Q9H251 |
| **Alternative Names** | CDH23; KIAA1774; KIAA1812; Cadherin-23; Otocadherin |
| **Background** | This gene is a member of the cadherin superfamily, whose genes encode calcium dependent cell-cell adhesion glycoproteins. The encoded protein is thought to be involved in stereocilia organization and hair bundle formation. The gene is located in a |

region containing the human deafness loci DFNB12 and USH1D. Usher syndrome 1D and nonsyndromic autosomal recessive deafness DFNB12 are caused by allelic mutations of this cadherin-like gene. Upregulation of this gene may also be associated with breast cancer. Alternative splice variants encoding different isoforms have been described. [provided by RefSeq, May 2013],

Immunofluorescence analysis of HeLa cells, using CDH23 Antibody. The picture on the right is blocked with the synthesized peptide.



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