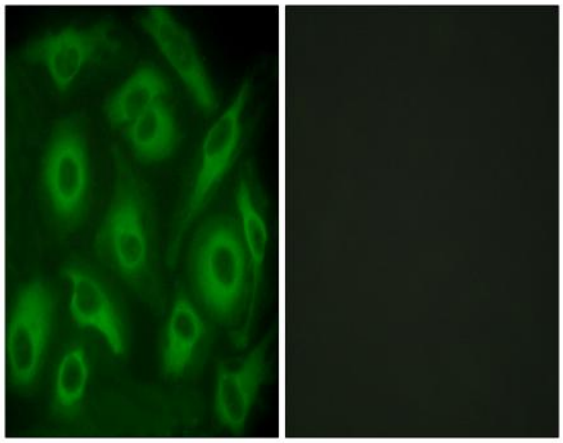
Best Tools for immunology Research

Cadherin-23 Polyclonal Antibody

Catalog No :	YT0599
Reactivity :	Human;Mouse;Rat
Applications :	IF;ELISA
Target :	Cadherin-23
Gene Name :	CDH23
Protein Name :	Cadherin-23
Human Gene Id :	64072
Human Swiss Prot No :	Q9H251
Mouse Gene Id :	22295
Mouse Swiss Prot No :	Q99PF4
Rat Gene Id :	114102
Rat Swiss Prot No :	P58365
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.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	370kD
Cell Pathway :	Adherens_Junction
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],
Function :	alternative products:Additional isoforms seem to exist,disease:Defects in CDH23 are a cause of Usher syndrome type 1D/F (USH1DF) [MIM:601067]. USH1DF patients are heterozygous for mutations in CDH23 and PCDH15, indicating a digenic inheritance pattern.,disease:Defects in CDH23 are the cause of non-syndromic sensorineural deafness autosomal recessive type 12 (DFNB12) [MIM:601386]. DFNB12 is a form of sensorineural hearing loss. Sensorineural deafness results from damage to the neural receptors of the inner ear, the nerve pathways to the brain, or the area of the brain that receives sound information.,disease:Defects in CDH23 are the cause of Usher syndrome type 1D (USH1D) [MIM:601067]. USH is a genetically heterogeneous condition characterized by the association of retinitis pigmentosa and sensorineural deafness. Age at onset and differences in auditory and vestibular function distinguish
Subcellular Location :	Cell membrane ; Single-pass type I membrane protein .
Expression :	Particularly strong expression in the retina (PubMed:11138009). Found also in the cochlea.
Sort :	3034
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images



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