CDH23 polyclonal antibody

Catalog: BS60676 Host: Rabbit Reactivity: Human

BackGround:

Cadherin-23 represents the first in this family of calcium binding proteins of which mutations in the extracellular calcium binding domain contribute to an inherited disorder, Usher syndrome type 1D (USH1D). Patients with USH1D exhibit congenital sensorineural hearing loss, vestibular dysfunction, and visual impairment due to early onset of retinitis pigmentosa (RP). In the inner ear, cadherin-23 interacts with myosin VIIIa and harmonin to form a functional network duing hair cell differentiation, and in the retina to assemble a supra-molecular complex contributing to the organization of the cytoskeletal matrices of the pre- and post-synaptic region. A number of cadherin-23 splice variants exist in association with various phenotypic expression, indicating that differential mutations result in variable presentation of the disease.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 59 kDa

Swiss-Prot:

Q9H251

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

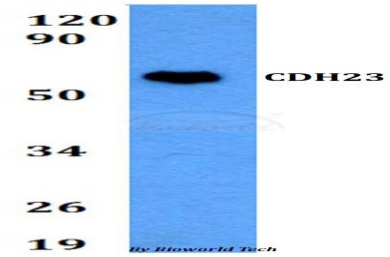
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

CDH23 polyclonal antibody detects endogenous levels of CDH23 protein.

DATA:



Western blot (WB) analysis of CDH23 polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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