

# Product datasheet

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ARG59642 anti-COCH antibody

Package: 50 μl Store at: -20°C

#### Summary

Product Description Rabbit Polyclonal antibody recognizes COCH

Tested Reactivity Hu

Predict Reactivity Ms, Rat, Cow, Dog, Gpig, Hrs, Rb, Zfsh

Tested Application WB

Host Rabbit

**Clonality** Polyclonal

Isotype IgG

Target Name COCH

Species Human

Immunogen Synthetic peptide around the C-terminal region of Human COCH. (within the following region:

VAWAPLDDLKDMASKPKESHAFFTREFTGLEPIVSDVIRGICRDFLESQQ)

Conjugation Un-conjugated

Alternate Names COCH-5B2; COCH5B2; Cochlin; DFNA9

## **Application Instructions**

Predict Reactivity Note Predicted Homology Based On Immunogen Sequence: Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse:

100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 79%

Application table Application Dilution

WB  $0.2 - 1 \,\mu\text{g/ml}$ 

Application Note \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations

should be determined by the scientist.

#### **Properties**

Form Liquid

Purification Affinity purified.

Buffer PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.

Preservative 0.09% (w/v) Sodium azide

Stabilizer 2% Sucrose

Concentration Batch dependent: 0.5 - 1 mg/ml

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

#### Bioinformation

Gene Symbol COCH

Gene Full Name cochlin

Background The protein encoded by this gene is highly conserved in human, mouse, and chicken, showing 94% and

79% amino acid identity of human to mouse and chicken sequences, respectively. Hybridization to this gene was detected in spindle-shaped cells located along nerve fibers between the auditory ganglion and sensory epithelium. These cells accompany neurites at the habenula perforata, the opening through which neurites extend to innervate hair cells. This and the pattern of expression of this gene in chicken inner ear paralleled the histologic findings of acidophilic deposits, consistent with mucopolysaccharide ground substance, in temporal bones from DFNA9 (autosomal dominant nonsyndromic sensorineural deafness 9) patients. Mutations that cause DFNA9 have been reported in this gene. Alternative splicing results in multiple transcript variants encoding the same protein. Additional splice variants encoding distinct isoforms have been described but their biological validities

have not been demonstrated. [provided by RefSeq, Oct 2008]

Function Plays a role in the control of cell shape and motility in the trabecular meshwork. [UniProt]

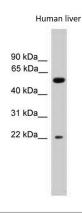
Calculated Mw 59 kDa

PTM N-glycosylated.

A 50 kDa form is created by proteolytic cleavage. [UniProt]

Cellular Localization Secreted, extracellular space, extracellular matrix. [UniProt]

### **Images**



## ARG59642 anti-COCH antibody WB image

Western blot: Human liver lysate stained with ARG59642 anti-COCH antibody at 0.2 - 1  $\mu g/ml$  dilution.