Datasheet for ABIN6138819

# anti-COCH antibody (AA 20-260)

2 Images

Go to Product page

## Overview

| | |
|---|---|
| Quantity: | 100 µL |
| Target: | COCH |
| Binding Specificity: | AA 20-260 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This COCH antibody is un-conjugated |
| Application: | Immunohistochemistry (IHC), Immunofluorescence (IF) |

## Product Details

| | |
|---|---|
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 20-260 of human COCH (NP_001128530.1). |
| Sequence: | GPAGSEGAAP IAITCFTRGL DIRKEKADVL CPGGCPLEEF SVYGNIVYAS VSSICGAAVH RGVISNSGGP VRVYSLPGRE NYSSVDANGI QSQMLSRWSA SFTVTKGKSS TQEATGQAVS TAHPPTGKRL KKTPEKKTGN KDCKADIAFL IDGSFNIGQR RFNLQKNFVG KVALMLGIGT EGPHVGLVQA SEHPKIEFYL KNFTSAKDVL FAIKEVGFRG GNSNTGKALK HTAQKFFTVD A |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Characteristics: | Polyclonal Antibodies |
| Purification: | Affinity purification |

## Target Details

| | |
|---|---|
| Target: | COCH |
| Alternative Name: | COCH (COCH Products) |
| 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.,COCH,COCH-5B2,COCH5B2,DFNA9,cochlin,Signal Transduction,Cell Biology & Developmental Biology,Cytoskeleton,Extracellular Matrix,Neuroscience,COCH |
| Molecular Weight: | 53 kDa/59 kDa |
| Gene ID: | 1690 |
| UniProt: | O43405 |
| Pathways: | Sensory Perception of Sound |

## Application Details

| | |
|---|---|
| Application Notes: | IHC,1:50 - 1:100,IF,1:50 - 1:100 |
| Restrictions: | For Research Use only |

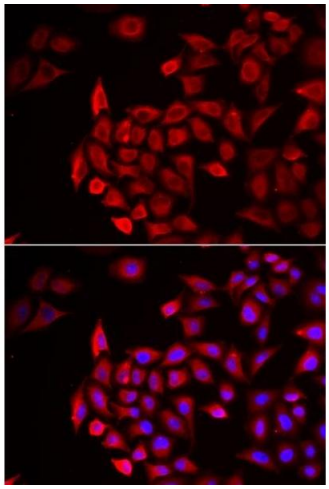
## Handling

| | |
|---|---|
| Format: | Liquid |
| Buffer: | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |

## Handling

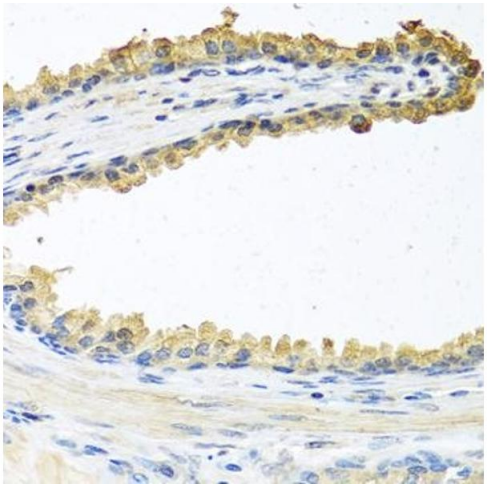
| | |
|---|---|
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |

## Images



**Immunofluorescence**

**Image 1.** Immunofluorescence analysis of HeLa cells using COCH antibody (ABIN6132126, ABIN6138819, ABIN6138820 and ABIN6222234). Blue: DAPI for nuclear staining.



**Immunohistochemistry**

**Image 2.** Immunohistochemistry of paraffin-embedded human prostate using COCH antibody (ABIN6132126, ABIN6138819, ABIN6138820 and ABIN6222234) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Copyright antibodies-online. All rights reserved.