

COCH antibody

Catalog No: #39010

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Description

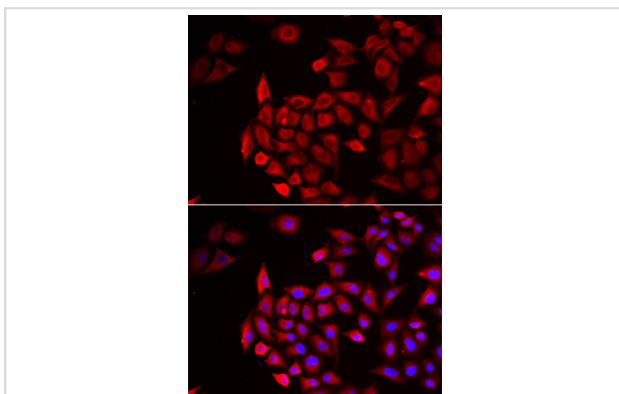
Product Name	COCH antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB IF
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous level of total COCH antibody.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human COCH.
Target Name	COCH
Other Names	DFNA9; COCH5B2; COCH-5B2;
Accession No.	Swiss-Prot#: O43405NCBI Gene ID: 1690
SDS-PAGE MW	59kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: □ 1:500 - 1:2000

Immunofluorescence: □ 1:50 - 1:100

Images



Immunofluorescence analysis of HeLa cell using COCH antibody. Blue: DAPI for nuclear staining.

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.