

Rabbit COCH Polyclonal Antibody | anti-COCH antibody

COCH Antibody (Center)

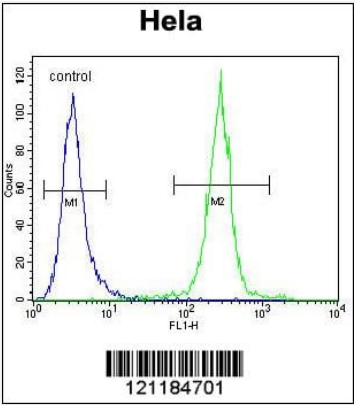
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283666	Rabbit	Human (Predicted Reactivity: Bovine)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

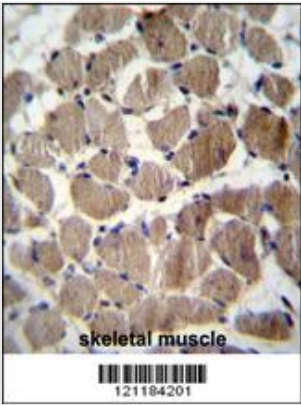
COCH; Polyclonal Antibody; COCH Antibody (Center); Cochlin; COCH-5B2; COCH5B2; anti-COCH antibody

PRODUCT SPECIFICATIONS

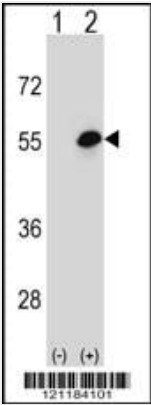
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This COCH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 399-428 amino acids from the Central region of human COCH.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	399-428
Sequence Length	550
Applicable Applications for anti-COCH antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
COCH Antibody (Center) flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
COCH Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of COCH Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of COCH (arrow) using rabbit polyclonal COCH Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the COCH gene.

ADDITIONAL INFORMATION

Related Product Information for anti-COCH antibody

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].

Product Categories/Family for anti-COCH antibody

Neuroscience; [Signal Transduction](#)

References	Ikezono, T., et al. Acta Otolaryngol. 130(8):881-887(2010) Yao, J., et al. J. Biol. Chem. 285(20):14909-14919(2010) Baek, J.I., et al. Clin. Genet. 77(4):399-403(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010) Lee, E.S., et al. Invest. Ophthalmol. Vis. Sci. 51(4):2060-2066(2010)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	205277471
NCBI GeneID	1690
NCBI Accession #	NP_001128530.1; NP_004077.1
NCBI GenBank Nucleotide #	NM_001135058.1
UniProt Accession #	O43405; Q96IU6; A8K9K9; D3DS84
Molecular Weight	59483
NCBI Official Full Name	cochlin
NCBI Official Synonym Full Names	cochlin
NCBI Official Symbol	COCH
NCBI Official Synonym Symbols	DFNA9; COCH5B2; COCH-5B2
NCBI Protein Information	cochlin
UniProt Protein Name	Cochlin
UniProt Gene Name	COCH
UniProt Synonym Gene Names	COCH5B2
UniProt Entry Name	COCH_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/coch-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/283666>