

Product datasheet for **AP51002PU-N**

COCH (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1000. Western blot: 1/100 - 1/500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 499-528 amino acids from the C-terminal region of human COCH
Specificity:	This antibody reacts to COCH.
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% (W/V) sodium azide
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	59483 Da
Gene Name:	cochlin
Database Link:	Entrez Gene 1690 Human O43405



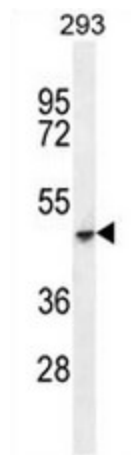
[View online »](#)

Background:

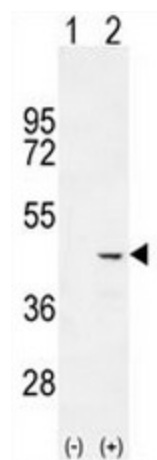
The protein encoded by this gene is highly conserved in human, mouse, and chicken, showing 94% and 79% amino acid identity of human to mouse and chicken sequences, respectively. Hybridization to this gene was detected in spindle-shaped cells located along nerve fibers between the auditory ganglion and 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].

Synonyms:

COCH, COCH5B2, COCH-5B2

Product images:


COCH Antibody (C-term) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the COCH antibody detected the COCH protein (arrow).



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