Datasheet for ABIN951613

anti-COCH antibody (C-Term)

2 Images

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Overview

Quantity:	0.4 mL
Target:	COCH
Binding Specificity:	AA 499-528, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COCH antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 499-528 amino acids from the C-terminal region of human COCH
Isotype:	Ig Fraction
Specificity:	This antibody reacts to COCH.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	COCH
Alternative Name:	Cochlin (COCH Products)

Target Details

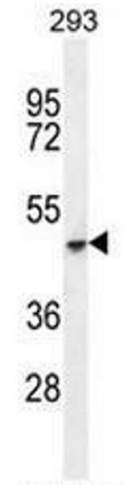
Background:	The protein encoded by this gene is highly conserved in human, mouse, and chicken, showing 94 % and 79 % amino acid identity of human to mouse and chicken sequences, respectively. Hybridization to this gene was detected in spindle-shaped cells located along nerve fibers between the auditory 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, COCH-5B2, COCH5B2
Molecular Weight:	59483 Da
Gene ID:	1690
NCBI Accession:	NP_001128530
Pathways:	Sensory Perception of Sound

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

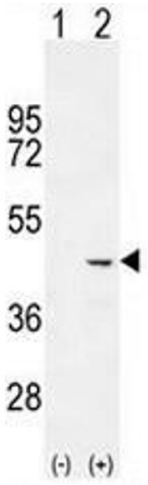
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. COCH Antibody (C-term) western blot analysis in 293 cell line lysates (35µg/lane).This demonstrates the COCH antibody detected the COCH protein (arrow).



Western Blotting

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