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SLC26A4 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant SLC26A4.
Catalog # AT3915a

Product Information

Application	E
Primary Accession	O43511
Other Accession	NM_000441
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3D2
Calculated MW	85723

Additional Information

Gene ID	5172
Other Names	Pendrin, Sodium-independent chloride/iodide transporter, Solute carrier family 26 member 4, SLC26A4, PDS
Target/Specificity	SLC26A4 (NP_000432, 674 a.a. ~ 754 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	SLC26A4 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

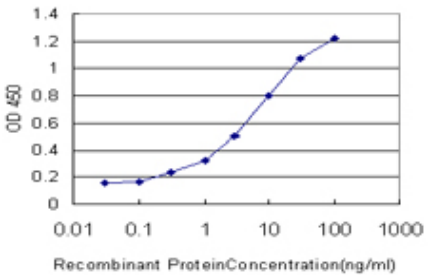
Mutations in this gene are associated with Pendred syndrome, the most common form of syndromic deafness, an autosomal-recessive disease. It is highly homologous to the SLC26A3 gene; they have similar genomic structures and this gene is located 3' of the SLC26A3 gene. The encoded protein has homology to sulfate transporters.

References

Genetic causes of nonsyndromic hearing loss in Iran in comparison with other populations. Mahdieh N, et al. J Hum Genet, 2010 Aug 26. PMID 20739942.Genotyping with a 198 mutation arrayed primer extension

array for hereditary hearing loss: assessment of its diagnostic value for medical practice. Rodriguez-Paris J, et al. PLoS One, 2010 Jul 26. PMID 20668687.Screening of SLC26A4, FOXI1 and KCNJ10 genes in unilateral hearing impairment with ipsilateral enlarged vestibular aqueduct. Jonard L, et al. Int J Pediatr Otorhinolaryngol, 2010 Sep. PMID 20621367.Spectrum and frequency of SLC26A4 mutations among Czech patients with early hearing loss with and without Enlarged Vestibular Aqueduct (EVA). Pourov? R, et al. Ann Hum Genet, 2010 Jul. PMID 20597900.Causes of hearing impairment in the Norwegian paediatric cochlear implant program. Siem G, et al. Int J Audiol, 2010 Aug. PMID 20553101.

Images



Detection limit for recombinant GST tagged SLC26A4 is approximately 0.1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.