10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SLC26A4 Antibody (monoclonal) (M03)

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

Specification

SLC26A4 Antibody (monoclonal) (M03) - Product Information

Application	**E**
Primary Accession	O43511
Other Accession	NM_000441
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**85723**

SLC26A4 Antibody (monoclonal) (M03) - 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.

SLC26A4 Antibody (monoclonal) (M03) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

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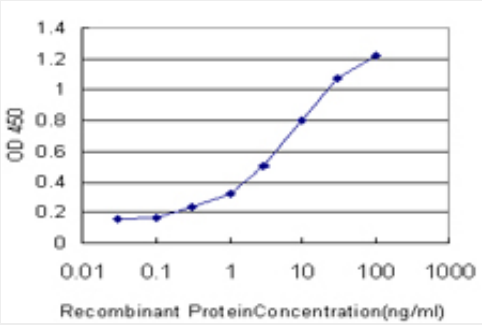
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SLC26A4 Antibody (monoclonal) (M03) - Images



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

SLC26A4 Antibody (monoclonal) (M03) - 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.

SLC26A4 Antibody (monoclonal) (M03) - 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.