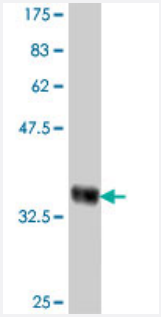
SLC26A4 polyclonal antibody (A01)

Catalog # H00005172-A01 Size 50 uL

Applications



Western Blot detection against Immunogen (35.02 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant SLC26A4.
Immunogen	SLC26A4 (NP_000432, 674 a.a. ~ 754 a.a) partial recombinant protein with GST tag.
Sequence	RSLRVIVKEFQRIDVNVYFASLQDYVIEKLEQCGFFDDNIRKDTFFLTVHDAILYLQNQVKSQEGQG SILETITLIQDCKD
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (83); Rat (88)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.02 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — SLC26A4

Entrez GeneID	5172
GeneBank Accession#	NM_000441
Protein Accession#	NP_000432
Gene Name	SLC26A4
Gene Alias	DFNB4, EVA, PDS
Gene Description	solute carrier family 26, member 4
Omim ID	274600 600791 605646
Gene Ontology	Hyperlink
Gene Summary	Mutations in this gene are associated with Pendred syndrome, the most common form of syndro mic deafness, an autosomal-recessive disease. It is highly homologous to the SLC26A3 gene; th ey have similar genomic structures and this gene is located 3' of the SLC26A3 gene. The encode d protein has homology to sulfate transporters. [provided by RefSeq
Other Designations	pendrin

Publication Reference

- Inflammatory cytokines TNFα and IL-17 enhance the efficacy of cystic fibrosis transmembrane conductance regulator modulators.

  Tayyab Rehman, Philip H Karp, Ping Tan, Brian J Goodell, Alejandro A Pezzulo, Andrew L Thurman, Ian M Thornell, Samantha L Durfey, Michael E Duffey, David A Stoltz, Edward F McKone, Pradeep K Singh, Michael J Welsh.

  The Journal of Clinical Investigation 2021 Aug; 131(16):e150398.

  Application: IF, Human, Human airway epithelia

- TNFα and IL-17 Alkalinize Airway Surface Liquid Through CFTR and Pendrin.

  Tayyab Rehman, Ian M Thornell, Alejandro A Pezzulo, Andrew L Thurman, Guillermo S Romano Ibarra, Philip H Karp, Ping Tan, Michael E Duffey, Michael J Welsh.

  American Journal of Physiology. Cell Physiology 2020 Aug; 319(2):C331.

  Application: IHC, Human, Airway epithelia

- FOXI1 Immunohistochemistry Differentiates Benign Renal Oncocytoma from Malignant Chromophobe Renal Cell Carcinoma.

  Molnar A, Horvath CA, Czovek P, Szanto A, Kovacs G.

  Anticancer Research 2019 Jun; 39(6):2785.

  Application: IHC-P, Human, Human renal cell carcinoma

- Developmental expression of solute carrier family 26A member 4 (SLC26A4/pendrin) during amelogenesis in developing rodent teeth.

  Bronckers AL, Guo J, Zandieh-Doulabi B, Bervoets TJ, Lyaruu DM, Li X, Wangemann P, DenBesten P.

  European Journal of Oral Sciences 2011 Dec; Suppl 1:185.

  Application: IHC-P, Mouse, Rat, Kidney, Teeth

- Novel Role for Pendrin in Orchestrating Bicarbonate Secretion in Cystic Fibrosis Transmembrane Conductance Regulator (CFTR)-expressing Airway Serous Cells.

  Garnett JP, Hickman E, Burrows R, Hegyi P, Tiszlavicz L, Cuthbert AW, Fong P, Gray MA.

  The Journal of Biological Chemistry 2011 Nov; 286(47):41069.

  Application: IF, IHC, Human, Calu-3 cells, Lung, Thyroid

Disease

- Auditory Threshold
- Autoimmune Diseases
- Bone Conduction
- Deafness
- Functional Laterality
- Genetic Predisposition to Disease
- Goiter
- Hearing Loss

- HIV Infections
- Pendred syndrome
- Presbycusis
- Speech Perception
- Syndrome
- Thyroid Diseases
- Thyroid Neoplasms
- Vertigo