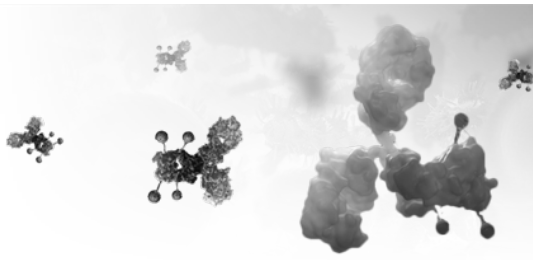

Anti-SLC26A5 polyclonal antibody (DPAB-DC1770)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the SLC26A/SulP transporter family. The protein functions as a molecular motor in motile outer hair cells (OHCs) of the cochlea, inducing changes in cell length that act to amplify sound levels. The transmembrane protein is an incomplete anion transporter, and does not allow anions to cross the cell membrane but instead undergoes a conformational change in response to changes in intracellular Cl- levels that results in a change in cell length. The protein functions at microsecond rates, which is several orders of magnitude faster than conventional molecular motor proteins. Mutations in this gene are potential candidates for causing neurosensory deafness. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Nov 2009]
Immunogen	A synthetic peptide corresponding to human SLC26A5. The sequence is ERLHTKDKVPDSIAD-C
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)

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Tel: 1-631-624-4882 Fax: 1-631-938-8221

Preservative	0.02% Sodium Azide
Storage	Store at -20°C.Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	SLC26A5 solute carrier family 26 (anion exchanger), member 5 [Homo sapiens (human)]
Official Symbol	SLC26A5
Synonyms	SLC26A5; solute carrier family 26 (anion exchanger), member 5; PRES; DFNB61; prestin; prestin (motor protein);
Entrez Gene ID	375611
Protein Refseq	NP_001161434
UniProt ID	P58743
Chromosome Location	7q22.1
Function	secondary active sulfate transmembrane transporter activity; spectrin binding;

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