

S26A5 rabbit pAb

Cat No.: ES13250

For research use only

Overview

Product Name S26A5 rabbit pAb

Host species Rabbit

Applications WB;IHC;IF;ELISA
Species Cross-Reactivity Human; Mouse; Rat
Recommended dilutions IHC-p 1:100-500

ImmunogenSynthesized peptide derived from human S26A5SpecificityThis antibody detects endogenous levels of human

S26A5

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name S26A5

Gene Name SLC26A5 PRES

Cell ular localization Cell membrane ; Multi-pass membrane protein .

Lateral wall of outer hair cells. .

Purification The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal
Concentration 1 mg/ml
Observed band 81kD
Human Gene ID 375611
Human Swiss-Prot Number P58743

Alternative Names Prestin (Solute carrier family 26 member 5)

Background 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 CI- levels that results in a

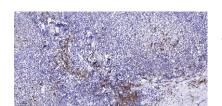


+86-27-59760950 ELKbio@ELKbiotech.com

www.elkbiotech.com



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],



+86-27-59760950

Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

