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

SLC26A9 Rabbit pAb

SLC26A9 Rabbit pAb
Catalog # AP57945

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q7LBE3
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	86988
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SLC26A9
Epitope Specificity	501-600/791
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
SUBCELLULAR LOCATION	Membrane; Multi-pass membrane protein.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene is one member of a family of sulfate/anion transporter genes. Family members are well conserved in their genomic (number and size of exons) and protein (aa length among species) structures yet have markedly different tissue expression patterns. The product of this gene is a highly selective chloride ion channel regulated by WNK kinases. Alternative splicing results in multiple transcript variants encoding differing isoforms.[provided by RefSeq, Dec 2008]

Additional Information

Gene ID	115019
Other Names	Solute carrier family 26 member 9, Anion transporter/exchanger protein 9, SLC26A9 {ECO:0000303|PubMed:11834742, ECO:0000312|HGNC:HGNC:14469}
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SLC26A9 {ECO:0000303|PubMed:11834742, ECO:0000312|HGNC:HGNC:14469}
Function	Ion transporter that can act both as an ion channel and anion exchanger (PubMed:15800055, PubMed:17673510, PubMed:26801567, PubMed:32818062). Mainly acts as a chloride channel, which mediate uncoupled chloride anion transport in an alternate-access mechanism where a saturable binding site is alternately exposed to either one or the other side of the membrane (PubMed:17673510, PubMed:26801567, PubMed:32818062). Also acts as a DIDS- and thiosulfate- sensitive anion exchanger the exchange of chloride for bicarbonate ions across the cell membrane (PubMed:11834742, PubMed:15800055).
Cellular Location	Cell membrane; Multi-pass membrane protein. Endomembrane system; Multi-pass membrane protein. Note=Localization to the cell membrane is inhibited by WNK kinases (WNK1, WNK2, WNK3 or WNK4) in a kinase-independent mechanism.
Tissue Location	Predominantly expressed in lung at the luminal side of the bronchiolar and alveolar epithelium of lung. To a lower extent, also expressed in pancreas and prostate.

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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