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

SLC26A9 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP13193a

Specification

SLC26A9 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q7LBE3

SLC26A9 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 115019

Other Names
Solute carrier family 26 member 9, Anion transporter/exchanger protein 9, SLC26A9

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13193a was selected from the N-term region of SLC26A9. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SLC26A9 Antibody (N-term) Blocking Peptide - 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:<a

href="http://www.uniprot.org/citations/15800055" target="_blank">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.

SLC26A9 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

SLC26A9 Antibody (N-term) Blocking Peptide - Images

SLC26A9 Antibody (N-term) Blocking Peptide - Background

This gene is one member of a family of sulfate/aniontransporter genes. Family members are well conserved in theirgenomic (number and size of exons) and protein (aa length amongspecies) structures yet have markedly different tissue expressionpatterns. The product of this gene is a highly selective chlorideion channel regulated by WNK kinases. Alternative splicing resultsin multiple transcript variants encoding differing isoforms.

SLC26A9 Antibody (N-term) Blocking Peptide - References

Mosbruger, T.L., et al. J. Infect. Dis. 201(9):1371-1380(2010)Chang, M.H., et al. J. Biol. Chem. 284(41):28306-28318(2009)Bertrand, C.A., et al. J. Gen. Physiol. 133(4):421-438(2009)Loriol, C., et al. Cell. Physiol. Biochem. 22 (1-4), 15-30 (2008) :Dorwart, M.R., et al. J. Physiol. (Lond.) 584 (PT 1), 333-345 (2007) :