

Rabbit SLC4A4 Polyclonal Antibody | anti-SLC4A4 antibody

SLC4A4 Polyclonal Antibody

CATALOG # AAA166168	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, ELISA
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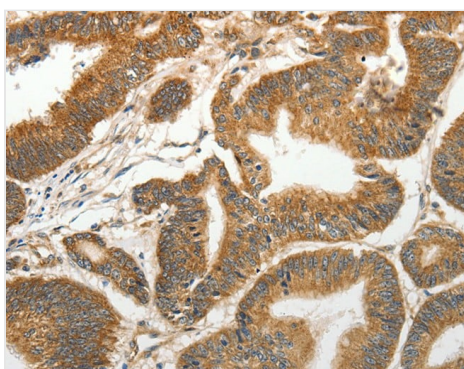
PRODUCT SYNONYMS

SLC4A4; Polyclonal Antibody; SLC4A4 Polyclonal Antibody; KNBC; NBC1; NBC2; pNBC; HNBC1; hhNMC; SLC4A5; NBCe1-A; anti-SLC4A4 antibody

PRODUCT SPECIFICATIONS

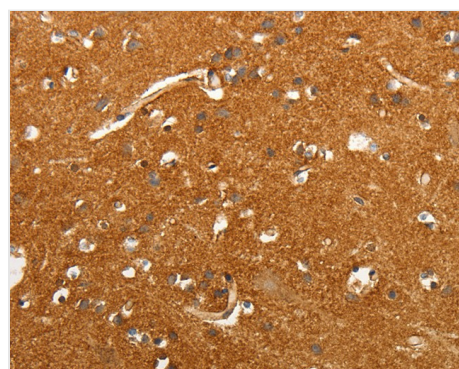
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1.8mg/mL (varies by lot)
Sequence Length	646
Applicable Applications for anti-SLC4A4 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant protein of human SLC4A4
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human colon cancer tissue using SLC4A4 Polyclonal Antibody at dilution 1:50



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human brain tissue using SLC4A4 Polyclonal Antibody at dilution 1:50

ADDITIONAL INFORMATION

Related Product Information for anti-SLC4A4 antibody	This gene encodes a sodium bicarbonate cotransporter (NBC) involved in the regulation of bicarbonate secretion and absorption and intracellular pH. Mutations in this gene are associated with proximal renal tubular acidosis. Multiple transcript variants encoding different isoforms have been found for this gene. Sodium bicarbonate cotransporters (NBCs) mediate the coupled movement of sodium and bicarbonate ions across the plasma membrane of many cells. This is an electrogenic process with an apparent stoichiometry of 3 bicarbonate ions per sodium ion. Sodium bicarbonate cotransport is involved in bicarbonate secretion/absorption and intracellular pH regulation. Romero and Boron (1999) reviewed NBCs. Soleimani and Burnham (2000) reviewed NBCs and their regulation in physiologic and pathophysiologic states.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21411310
NCBI GeneID	8671
Molecular Weight	123,181 Da
NCBI Official Full Name	SLC4A4 protein
NCBI Official Synonym Full Names	solute carrier family 4 (sodium bicarbonate cotransporter), member 4
NCBI Official Symbol	SLC4A4
NCBI Official Synonym Symbols	KNBC; NBC1; NBC2; pNBC; HNBC1; hhNMC; SLC4A5; NBCE1-A
NCBI Protein Information	electrogenic sodium bicarbonate cotransporter 1; Na(+)/HCO3(-) cotransporter; kNBC1; sodium bicarbonate cotransporter 1 (sodium bicarbonate cotransporter, kidney; sodium bicarbonate cotransporter, pancreas); solute carrier family 4, sodium bicarbonate cotransporter, member 4, brain type; solute carrier family 4, sodium bicarbonate cotransporter, member 5
UniProt Protein Name	Electrogenic sodium bicarbonate cotransporter 1
UniProt Gene Name	SLC4A4
UniProt Synonym Gene Names	NBC; NBC1; NBCE1; Sodium bicarbonate cotransporter
UniProt Entry Name	S4A4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.