

Rabbit anti-Rat Band 3/SLC4A1 Polyclonal Antibody | anti-SLC4A1 antibody

Anti-Band 3/SLC4A1 Antibody, Rabbit Polyclonal

CATALOG # AAA255161	HOST Rabbit	REACTIVITY Rat	APPLICATIONS Immunohistochemistry
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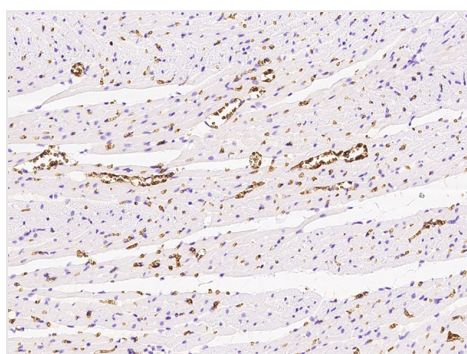
PRODUCT SYNONYMS

Band 3/SLC4A1; Polyclonal Antibody; Anti-Band 3/SLC4A1 Antibody; Rabbit Polyclonal; SLC4A1 Antibody; Rabbit PAb; Antigen Affinity Purified; solute carrier family 4 (anion exchanger); member 1 (Diego blood group); anti-SLC4A1 antibody

PRODUCT SPECIFICATIONS

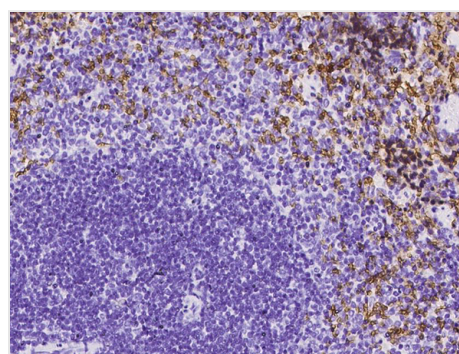
Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rat SLC4A1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-SLC4A1 antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the center region of the Rat SLC4A1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Rat SLC4A1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



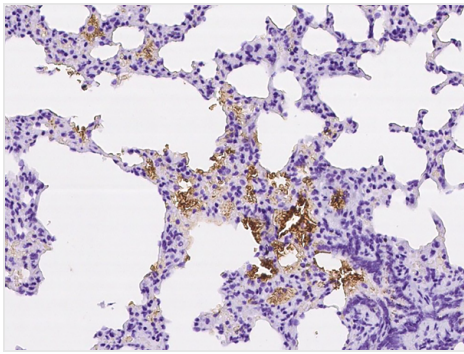
IHC (Immunohistochemistry)

Immunochemical staining of rat SLC4A1 in rat heart with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of rat SLC4A1 in rat spleen with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
 Immunochemical staining of rat SLC4A1 in rat lung with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC4A1 antibody	The Band 3 (AE1, SLC4A1) membrane protein is found in red blood cells and in kidney where it functions as an electro-neutral chloride/bicarbonate exchanger. Primary distal renal tubular acidosis (dRTA) caused by mutations of the SLC4A1 gene, which encodes for erythroid and kidney isoforms of anion exchanger, shows marked difference in inheritance patterns and clinical features in different parts of the world. Distal renal tubular acidosis caused by missense mutations in kidney isoform of anion exchanger 1 (kAE1/SLC4A1), the basolateral membrane Cl ⁻ /HCO ₃ ⁻ exchanger of renal alpha-intercalated cells, has been extensively investigated in heterologous expression systems.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	76443687
NCBI GeneID	24779
NCBI Accession #	NP_036783.2
NCBI GenBank Nucleotide #	NM_012651.2
UniProt Accession #	P23562
Molecular Weight	103,173 Da
NCBI Official Full Name	band 3 anion transport protein
NCBI Official Synonym Full Names	solute carrier family 4 (anion exchanger), member 1
NCBI Official Symbol	Slc4a1
NCBI Protein Information	band 3 anion transport protein; AE 1; anion exchanger 1; anion exchange protein 1; solute carrier family 4 member 1; Solute carrier family 4, member 1, anion exchange protein 1 (kidney band 3)
UniProt Protein Name	Band 3 anion transport protein
UniProt Gene Name	Slc4a1
UniProt Synonym Gene Names	Ae1; AE 1; Anion exchanger 1
UniProt Entry Name	B3AT_RAT

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.