

Rabbit anti-Human SLC12A7 Polyclonal Antibody | anti-SLC12A7 antibody

SLC12A7 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290061	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

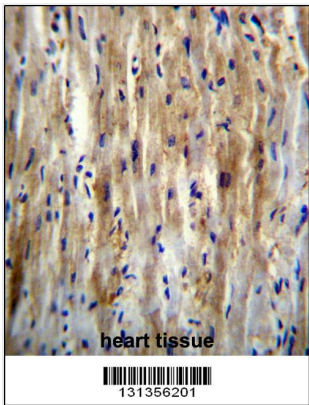
PRODUCT SYNONYMS

SLC12A7; Polyclonal Antibody; SLC12A7 Antibody (N-term); Solute carrier family 12 member 7; Electroneutral potassium-chloride cotransporter 4; K-Cl cotransporter 4; KCC4; anti-SLC12A7 antibody

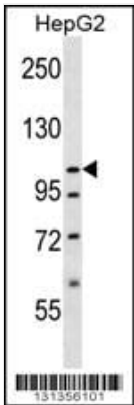
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SLC12A7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 89-117 amino acids from the N-terminal region of human SLC12A7.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	89-117
Sequence Length	266
Applicable Applications for anti-SLC12A7 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
SLC12A7 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of SLC12A7 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
SLC12A7 Antibody (N-term) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the SLC12A7 antibody detected the SLC12A7 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-SLC12A7 antibody	SLC12A7 mediates electroneutral potassium-chloride cotransport when activated by cell swelling. May mediate K(+) uptake into Deiters' cells in the cochlea and contribute to K(+) recycling in the inner ear. Important for the survival of cochlear outer and inner hair cells and the maintenance of the organ of Corti. May be required for basolateral Cl(-) extrusion in the kidney and contribute to renal acidification (By similarity).
Product Categories/Family for anti-SLC12A7 antibody	Neuroscience
References	Hartmann, A.M., et al. J. Biol. Chem. 285(31):23994-24002(2010) Kamatani, Y., et al. Nat. Genet. 42(3):210-215(2010) Chen, Y.F., et al. Cancer Res. 69(22):8585-8593(2009) Fujii, T., et al. J. Biol. Chem. 284(1):619-629(2009) Ji, W., et al. Nat. Genet. 40(5):592-599(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	123701900
NCBI GeneID	10723
NCBI Accession #	NP_006589.2
NCBI GenBank Nucleotide #	NM_006598.2
UniProt Accession #	Q9Y666; Q4G0F3; Q96I81; Q9H7I3; Q9H7I7; Q9UFW2; A6NDS8
Molecular Weight	119106
NCBI Official Full Name	solute carrier family 12 member 7
NCBI Official Synonym Full Names	solute carrier family 12 (potassium/chloride transporter), member 7
NCBI Official Symbol	SLC12A7
NCBI Official Synonym Symbols	KCC4
NCBI Protein Information	solute carrier family 12 member 7
UniProt Protein Name	Solute carrier family 12 member 7
UniProt Gene Name	SLC12A7

UniProt Synonym Gene Names	KCC4
UniProt Entry Name	S12A7_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/slc12a7-antibody-immunohistochemistry-western-blot-elisa/290061>