

Product datasheet

Anti-SLC12A3 antibody ab224762

1 References 1 Image

Overview

Product name	Anti-SLC12A3 antibody
Description	Rabbit polyclonal to SLC12A3
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse
Immunogen	<p>Recombinant fragment corresponding to Human SLC12A3 aa 844-988. Sequence:</p> <pre>LLIPYLLGRKRRWSKCKIRV FVGGQINRMDQERKAIISLLSK FRLGFHEV HILPDINQNPRAEHTKRFEDMIAPFRLNDGFKDEATVNEM RRDCPWKISD EEITKNRVKSLRQVRLNEIVLDYSRDAALVITLPIGRKGKCP SS</pre> <p>Database link: P55017</p> <p style="text-align: right;"> Run BLAST with Run BLAST with </p>
Positive control	IHC-P: Human kidney tissue.
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p>

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol, PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab224762** in the following tested applications.

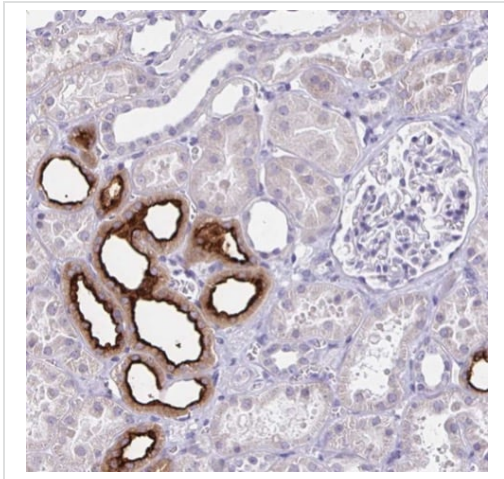
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/200 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function	Electrically silent transporter system. Mediates sodium and chloride reabsorption.
Tissue specificity	Predominant in kidney.
Involvement in disease	Defects in SLC12A3 are the cause of Gitelman syndrome (GS) [MIM:263800]. GS is an autosomal recessive disorder characterized by hypokalemic alkalosis in combination with hypomagnesemia, low urinary calcium, and increased renin activity associated with normal blood pressure. Patients are often asymptomatic or present transient periods of muscular weakness and tetany, usually accompanied by abdominal pain, vomiting and fever. The phenotype is highly heterogeneous in terms of age at onset and severity. Cardinal features such as hypocalciuria and hypomagnesemia might also change during the life cycle of a given patient. GS has overlapping features with Bartter syndrome.
Sequence similarities	Belongs to the SLC12A transporter family.
Cellular localization	Membrane.

Images



Paraffin-embedded human kidney tissue stained for SLC12A3 using ab224762 at 1/50 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SLC12A3 antibody (ab224762)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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