

Product datasheet

Anti-RST antibody - C-terminal ab198791

1 Image

Overview

Product name	Anti-RST antibody - C-terminal
Description	Rabbit polyclonal to RST - C-terminal
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human RST aa 528-540 (C terminal). Database link: Q96S37
Positive control	HeLa and 293T cell lysates. Human liver cancer tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&As</p>

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: 7.4 Preservative: 0.05% Sodium azide Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab198791 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
WB		1/200 - 1/1000. Predicted molecular weight: 59 kDa.

Target

Function

Required for efficient urate re-absorption in the kidney. Regulates blood urate levels. Mediates saturable urate uptake by facilitating the exchange of urate against organic anions.

Tissue specificity

Detected in kidney (at protein level). Detected in fetal and adult kidney. Detected in epithelial cells of proximal tubules in renal cortex.

Involvement in disease

Defects in SLC22A12 are a cause of renal hypouricemia (RH) [MIM:220150]. Patients have low serum urate levels, due to defects in renal urate re-absorption and high urinary urate excretion. Patients often appear asymptomatic, but may be subject to exercise-induced acute renal failure (ARF), chronic renal dysfunction and uric acid urolithiasis.

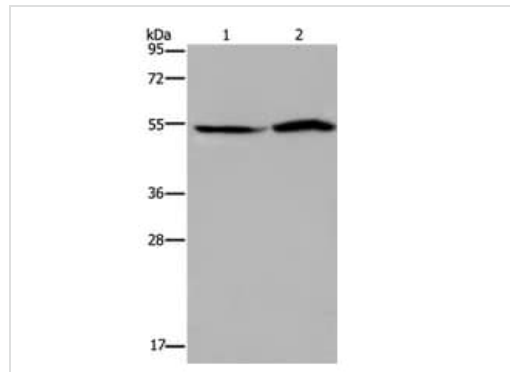
Sequence similarities

Belongs to the major facilitator superfamily. Organic cation transporter family.

Cellular localization

Cell membrane. Detected in the luminal membrane of the epithelium of renal proximal tubules.

Images



Western blot - Anti-RST antibody - C-terminal (ab198791)

All lanes : Anti-RST antibody - C-terminal (ab198791) at 1/200 dilution

Lane 1 : HeLa cell lysate

Lane 2 : 293T cell lysate

Lysates/proteins at 40 µg per lane.

Predicted band size: 59 kDa

Exposure time: 40 seconds

8% SDS PAGE

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

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