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- Mindermengenzuschlag
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- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Anti-UT-A1 Antibody

Rabbit Anti-Rat UT-A1 Polyclonal
Catalog No. SPC-406



Discovery through partnership | Excellence through quality

Overview

Product Name

UT-A1 Antibody

Description

Rabbit Anti-Rat UT-A1 Polyclonal

Species Reactivity

Mouse, Rat

Applications

WB, ICC/IF

Antibody Dilution

WB (1:1000); optimal dilutions for assays should be determined by the user.

Host Species

Rabbit

Immunogen Species

Rat

Immunogen

Produced against a synthetic peptide mapped to the C-terminal tail (amino acids 911-929) of rat UT-A1 (antibody designation L194)

Concentration

1 mg/ml

Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

Properties

Storage Buffer

PBS, 50% glycerol, 0.09% sodium azide

Storage Temperature

-20°C

Shipping Temperature

Blue Ice or 4°C

Purification

Protein A purified

Clonality

Polyclonal

Specificity

Detects ~97 and 127kDa.

Cite This Product

Rabbit Anti-Rat UT-A1 Polyclonal (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SPC-406)

Certificate Of Analysis

1 µg/ml of SPC-406 was sufficient for detection of UT-A1 in 20 µg of rat kidney tissue lysate by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary antibody.

Biological Description

Alternative Names

SLC14A2 Antibody, FLJ16167 Antibody, hUT-A6 Antibody, HUT2 Antibody, kidney Antibody, MGC119566 Antibody, MGC119567 Antibody, Slc14a2 Antibody, Solute carrier family 14 (urea transporter) Antibody, member 2 Antibody, Solute carrier family 14 member 2 Antibody, Urea transporter 2 Antibody, Urea transporter Antibody, Urea transporter kidney Antibody, UT-A2 Antibody, UT2 Antibody, UT2_HUMAN Antibody, UTA Antibody, UTR Antibody, UT1 Antibody, UTA1 Antibody

Research Areas

Neuroscience, Pumps/Transporters, Urea Transporters

Cellular Localization

Apical cell membrane, Cell membrane

Accession Number

NP_062220

Gene ID

54302

Swiss Prot

Q62668

Scientific Background

UT-A1, a kidney-specific urea transporter is expressed in the renal collecting duct where it mediates trans-epithelial urea transport and is a target for regulation by vasopressin. Urea movement out of the collecting duct in the inner medulla of the kidney allows accumulation of urea in the medullary interstitium, thereby allowing maximum water reabsorption from the collecting ducts. (The antibody also recognizes a second protein from the UT-A gene driven by transcription from an alternative promoter and expressed in the thin descending limb of Henle, viz. UT-A2) (1, 2).

References

1. Nielsen S., et al. (1996) Proc Natl Acad Sci U S A. 93(11): 5495-500.
 2. Smith C.P. (2009) Exp Physiol. 94(2): 180-185.
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Product Images

L194



— 117 kDa

— 97 kDa

Western blot analysis of Rat Inner medulla showing detection of UT-A1 protein using Rabbit Anti-UT-A1 Polyclonal Antibody (SPC-406). Primary Antibody: Rabbit Anti-UT-A1 Polyclonal Antibody (SPC-406) at 1:1000.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.