

Product datasheet

Anti-Uroplakin III antibody ab231576

★★★★★ [1 Abreviews](#) [6 Images](#)

Overview

Product name	Anti-Uroplakin III antibody
Description	Rabbit polyclonal to Uroplakin III
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment (His-T7-tag) corresponding to Rat Uroplakin III aa 1-250. (Expressed in E.coli). Database link: D3ZZ76

 [Run BLAST with](#)

 [Run BLAST with](#)

Positive control WB: Recombinant rat Uroplakin III protein; Mouse and rat bladder lysates; Human serum. IHC-P: Rat kidney tissue.

General notes

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.

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

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: 7.40 Preservative: 0.02% Sodium azide Constituents: 44.12% PBS, 55.77% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Purification notes	ab231576 was purified by antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab231576 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)	Use a concentration of 5 - 20 µg/ml.
WB		Use a concentration of 0.2 - 2 µg/ml. Predicted molecular weight: 31 kDa.

Target

Function

Component of the asymmetric unit membrane (AUM); a highly specialized biomembrane elaborated by terminally differentiated urothelial cells. May play an important role in AUM-cytoskeleton interaction in terminally differentiated urothelial cells. It also contributes to the formation of urothelial glycocalyx which may play an important role in preventing bacterial adherence.

Tissue specificity

Expressed in ureter.

Involvement in disease

Defects in UPK3A are a cause of renal adysplasia (RADYS) [MIM:191830]; also known as renal agenesis or renal aplasia. Renal agenesis refers to the absence of one (unilateral) or both (bilateral) kidneys at birth. Bilateral renal agenesis belongs to a group of perinatally lethal renal diseases, including severe bilateral renal dysplasia, unilateral renal agenesis with contralateral dysplasia and severe obstructive uropathy.

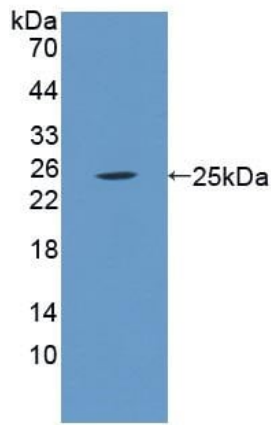
Sequence similarities

Belongs to the uroplakin-3 family.

Cellular localization

Endoplasmic reticulum membrane. Heterodimer formation with UPK1B is a prerequisite to exit out of the endoplasmic reticulum (ER).

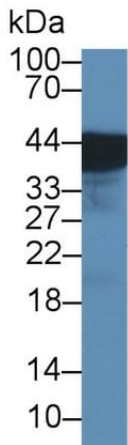
Images



Western blot - Anti-Uroplakin III antibody (ab231576)

Anti-Uroplakin III antibody (ab231576) at 2 µg/ml + Recombinant rat Uroplakin III protein

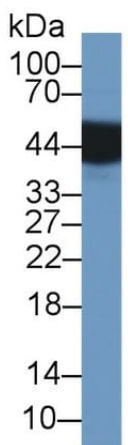
Predicted band size: 31 kDa



Western blot - Anti-Uroplakin III antibody (ab231576)

Anti-Uroplakin III antibody (ab231576) at 1 µg/ml + Rat bladder lysate

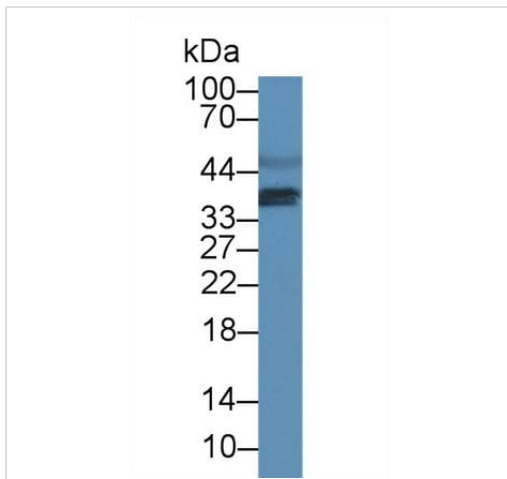
Predicted band size: 31 kDa



Western blot - Anti-Uroplakin III antibody (ab231576)

Anti-Uroplakin III antibody (ab231576) at 2 µg/ml + Mouse bladder lysate

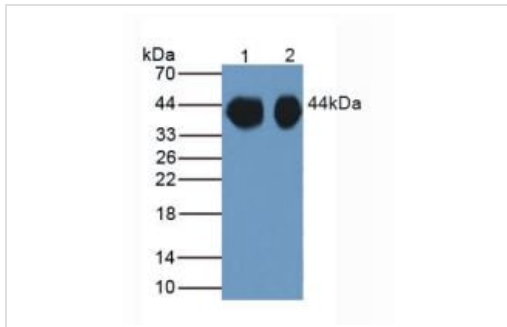
Predicted band size: 31 kDa



Western blot - Anti-Uroplakin III antibody (ab231576)

Anti-Uroplakin III antibody (ab231576) at 1 µg/ml + Human serum

Predicted band size: 31 kDa



Western blot - Anti-Uroplakin III antibody (ab231576)

All lanes : Anti-Uroplakin III antibody (ab231576) at 1 µg/ml

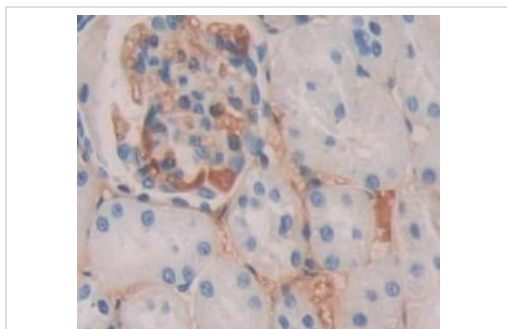
Lane 1 : Rat bladder lysate

Lane 2 : Mouse bladder lysate

Secondary

All lanes : HRP-Linked Guinea pig anti-Rabbit at 1/1000 dilution

Predicted band size: 31 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Uroplakin III antibody (ab231576)

Formalin-fixed, paraffin-embedded rat kidney tissue stained for Uroplakin III using ab231576 at 20 µg/ml in immunohistochemical analysis. DAB staining.

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

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