

## Product datasheet

### Anti-Uroplakin III antibody [SFI-1], prediluted ab78197

★★★★★ [2 Abreviews](#) [2 References](#) [3 Images](#)

#### Overview

<b>Product name</b>	Anti-Uroplakin III antibody [SFI-1], prediluted
<b>Description</b>	Mouse monoclonal [SFI-1] to Uroplakin III, prediluted
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide corresponding to an internal region of Human Uroplakin III.
<b>Positive control</b>	Urothelial tissue, bladder.
<b>General notes</b>	<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&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	Preservative: 0.05% Proclin 300 Constituents: 0.363% Tris, 0.1% Tween, 0.58% Sodium chloride, 1% BSA
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	SFI-1
<b>Isotype</b>	IgG1

#### Applications

The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab78197 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	★★★★★ (2)	1/1. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Ready to use for 30 min at RT.

## Target

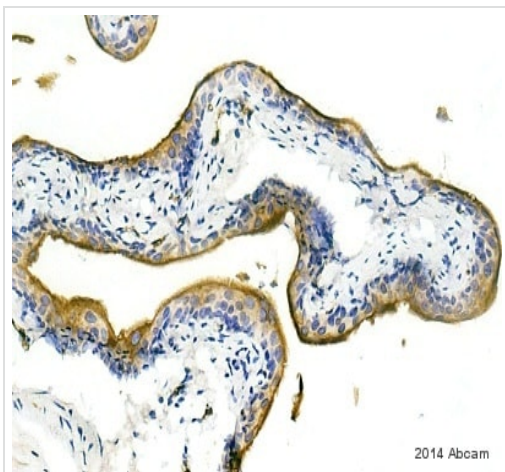
<b>Function</b>	Component of the asymmetric unit membrane (AUM); a highly specialized biomembrane elaborated by terminally differentiated urothelial cells. May play an important role in AUM-cytoskeleton interaction in terminally differentiated urothelial cells. It also contributes to the formation of urothelial glycocalyx which may play an important role in preventing bacterial adherence.
<b>Tissue specificity</b>	Expressed in ureter.
<b>Involvement in disease</b>	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.
<b>Sequence similarities</b>	Belongs to the uroplakin-3 family.
<b>Cellular localization</b>	Endoplasmic reticulum membrane. Heterodimer formation with UPK1B is a prerequisite to exit out of the endoplasmic reticulum (ER).

## Images



ab78197 staining Uroplakin III in human bladder by Immunohistochemistry using formalin-fixed, paraffin-embedded tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Uroplakin III antibody [SFI-1], prediluted (ab78197)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Uroplakin III antibody [SFI-1], prediluted (ab78197)

Image courtesy of Carl Hobbs, King College London, U.K.

ab78197 staining Uroplakin III in mouse bladder tissue sections. Tissue was fixed in formaldehyde and heat-mediated antigen retrieval was performed using citric buffer. Blocking was performed with 1% BSA for 10 minutes at 21°C and ab78197 was used at 1/30 for 2 hours at 21°C.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Uroplakin III antibody [SFI-1], prediluted (ab78197)

Image courtesy of Carl Hobbs, King College London, U.K.

ab78197 staining Uroplakin III in rat bladder tissue sections. Tissue was fixed in formaldehyde and heat-mediated antigen retrieval was performed using citric buffer. Blocking was performed with 1% BSA for 10 minutes at 21°C and ab78197 was used at 1/30 for 2 hours at 21°C.

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

**Our Abpromise to you: Quality guaranteed and expert technical support**

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

#### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors