

Anti-Uroplakin III antibody [SFI-1] ab78196

★★★★☆ [8 Abreviews](#) [9 References](#) [画像数 5](#)

製品の概要

製品名	Anti-Uroplakin III antibody [SFI-1]
製品の詳細	Mouse monoclonal [SFI-1] to Uroplakin III
由来種	Mouse
アプリケーション	適用あり: IHC-P
種交差性	交差種: Rat, Human, Common marmoset
免疫原	Synthetic peptide corresponding to an internal human Uroplakin III.
ポジティブ・コントロール	Urothelial tissue, bladder.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.05% Proclin 300 Constituents: 1% BSA, 0.58% Sodium chloride, 0.1% Tween, 0.363% Tris Containing antibody stabilizer
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	SFI-1
アイソタイプ	IgG1

アプリケーション

The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab78196の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P	★★★★★ (7)	1/20 - 1/30. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Incubate 30 minutes at room temperature.

ターゲット情報

機能

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.

組織特異性

Expressed in ureter.

関連疾患

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.

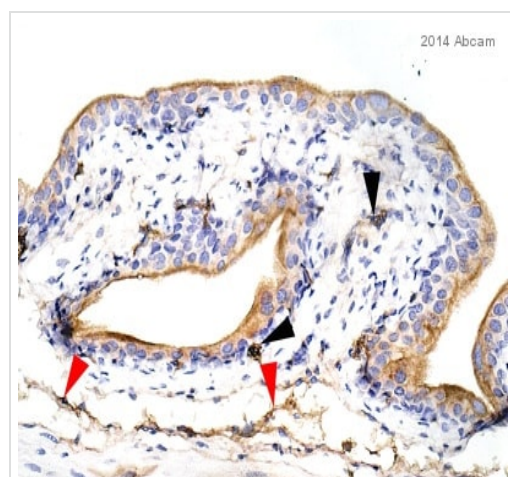
配列類似性

Belongs to the uroplakin-3 family.

細胞内局在

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

画像



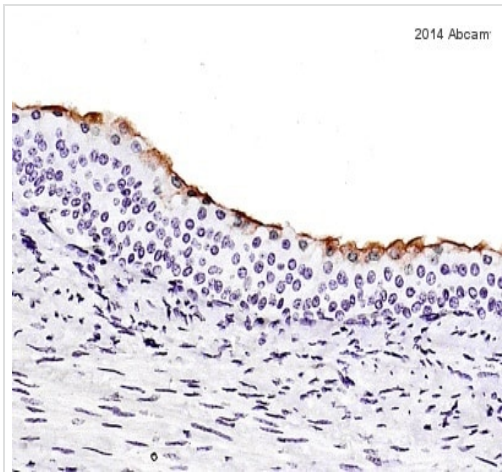
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Uroplakin III antibody [SFI-1] (ab78196)

This image is courtesy of an Abreview submitted by Carl Hobbs

ab78196 staining Uroplakin III in mouse bladder tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 1% BSA for 10 minutes at 21°C; antigen retrieval was by heat mediation in citric acid. Samples were incubated with primary antibody (1/600 in TBS/BSA/azide) for 16 hours at 21°C. A Biotin-conjugated goat anti-mouse IgG polyclonal (1/200) was used as the secondary antibody.

Positivity of only the luminal cytoplasm of the Umbrella cells is clear.

As this is a mouse primary antibody, endogenous IgG will also be visualised in the interstitial spaces (red arrowheads), in Plasma cells (black arrowheads) and also in blood vessels if the animal has not been perfused-washed/fixed.

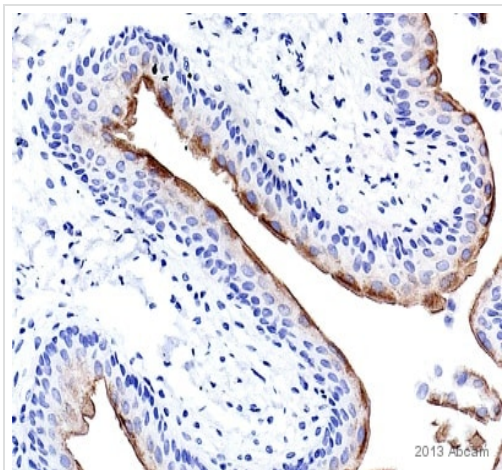


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Uroplakin III antibody [SFI-1] (ab78196)

This image is courtesy of Carl Hobbs (Kings College London, United Kingdom)

ab78196 staining Uroplakin III in cow ureter tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 1% BSA for 10 minutes at 21°C; antigen retrieval was by heat mediation in citric acid. Samples were incubated with primary antibody (1/300 in TBS/BSA/azide) for 16 hours at 21°C. A Biotin-conjugated goat anti-mouse IgG polyclonal (1/200) was used as the secondary antibody.

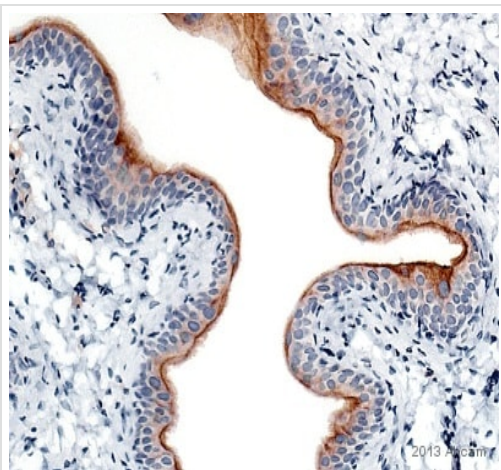
Image shows clear, strong labelling of the luminal membranes of the Umbrella cells.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Uroplakin III antibody [SFI-1] (ab78196)

This image is courtesy of Carl Hobbs (Kings College London, United Kingdom)

IHC-P image of Uroplakin-III staining on Marmoset bladder sections using ab78196 (1:400). The sections were deparaffinized and subjected to heat mediated antigen retrieval using citric acid. The sections were blocked using 1% BSA for 10 mins at 21°C. ab78196 was diluted 1:400 and incubated with the sections for 2 hours at 21°C. The secondary antibody used was Goat polyclonal to anti mouse IgG conjugated to biotin (1:200)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Uroplakin III antibody [SFI-1] (ab78196)

This image is courtesy of Carl Hobbs (Kings College London, United Kingdom)

IHC-P image of Uroplakin-III staining on Rat bladder sections using ab78196 (1:400). The sections were deparaffinized and subjected to heat mediated antigen retrieval using citric acid. The sections were blocked using 1% BSA for 10 mins at 21°C. ab78196 was diluted 1:1000 and incubated with the sections for 2 hours at 21°C. The secondary antibody used was Goat polyclonal to anti mouse IgG conjugated to biotin (1:250)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Uroplakin III antibody [SFI-1] (ab78196)

ab78196 at 1/20 dilution staining Uroplakin III in human bladder by Immunohistochemistry using formalin-fixed, paraffin-embedded tissue.

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