


## Product datasheet

# Anti-Uroplakin Ib/UIb antibody [EPR14451] ab183503

Recombinant RabMAb

[1 References](#) [3 Images](#)

### Overview

<b>Product name</b>	Anti-Uroplakin Ib/UIb antibody [EPR14451]
<b>Description</b>	Rabbit monoclonal [EPR14451] to Uroplakin Ib/UIb
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	Human fetal brain tissue lysate, K562 cell line lysate.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Allow to warm to room temp and agitate gently before aliquotting. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR14451
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab183503 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		1/10000 - 1/50000. Detects a band of approximately 25 kDa (predicted molecular weight: 30 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 normal bladder epithelial physiology, possibly in regulating membrane permeability of superficial umbrella cells or in stabilizing the apical membrane through AUM/cytoskeletal interactions.

### Tissue specificity

Bladder epithelium.

### Sequence similarities

Belongs to the tetraspanin (TM4SF) family.

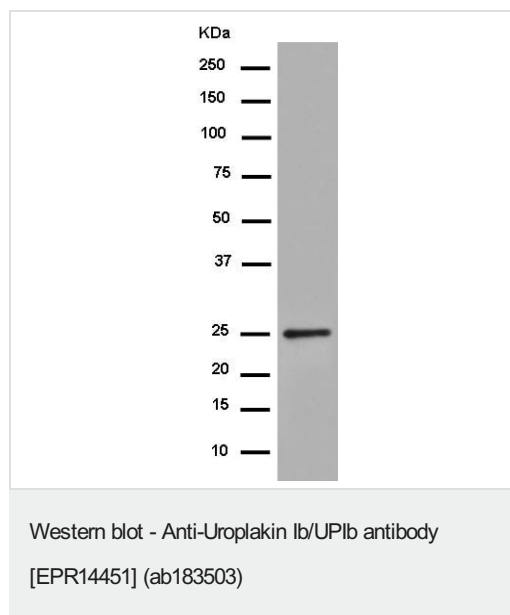
### Post-translational modifications

N-glycosylated with high-mannose oligosaccharides.

### Cellular localization

Membrane.

## Images



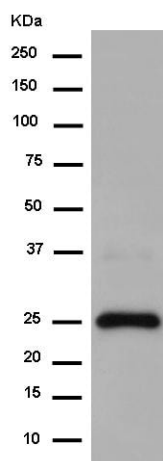
Anti-Uroplakin Ib/UPIb antibody [EPR14451] (ab183503) at 1/100000 dilution + K562 cell lysate at 20 µg

### Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated antibody at 1/1000 dilution

**Predicted band size:** 30 kDa

**Observed band size:** 25 kDa



Anti-Uroplakin Ib/UP Ib antibody [EPR14451] (ab183503) at  
1/20000 dilution + Human fetal brain tissue lysate at 20 µg

### Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated antibody at  
1/1000 dilution

**Predicted band size:** 30 kDa

**Observed band size:** 25 kDa

Western blot - Anti-Uroplakin Ib/UP Ib antibody  
[EPR14451] (ab183503)

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Uroplakin Ib/UP Ib antibody [EPR14451]  
(ab183503)

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

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- 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

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