

**Uroplakin III Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10465****Specification**

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**Uroplakin III Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O75631</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	30670

**Uroplakin III Antibody - Additional Information****Gene ID** 7380

Positive Control  
Application & Usage  
**Other Names**  
Uroplakin-3a, UPK IIIa

**Western blot: Jurkat cell lysate**  
**Western blot: 1:200**

**Target/Specificity**  
Uroplakin

**Antibody Form**  
Liquid

**Appearance**  
Colorless liquid

**Formulation**  
100 µg (0.5 mg/ml) of antibody in PBS, 0.01 % BSA, 0.01 % thimerosal, and 50 % glycerol, pH 7.2

**Handling**  
The antibody solution should be gently mixed before use.

**Reconstitution & Storage**  
-20 °C

**Background Descriptions**

**Precautions**  
Uroplakin III Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Uroplakin III Antibody - Protein Information**

**Name** UPK3A

**Synonyms** UPK3

**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 (By similarity).

**Cellular Location**

Endoplasmic reticulum membrane; Single-pass type I membrane protein. Note=Heterodimer formation with UPK1B is a prerequisite to exit out of the endoplasmic reticulum (ER).

**Tissue Location**

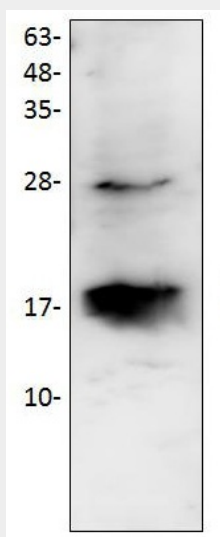
Expressed in ureter..

**Uroplakin III Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Uroplakin III Antibody - Images**



Western blot of Jurkat cell lysate with Uroplakin III antibody.

**Uroplakin III Antibody - Background**

Uroplakin IIIa is a component of the asymmetric unit membrane (AUM); a highly specialized biomembrane elaborated by terminally differentiated urothelial cells. It 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. Defects in UPK3A are a cause of renal adysplasia (RADYS) 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.