

### **Uroplakin III Antibody**

Rabbit Polyclonal Antibody Catalog # ABV10465

# **Specification**

### **Uroplakin III Antibody - Product Information**

Application WB
Primary Accession 075631

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

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

Western blot: Jurkat cell lysate

Western blot: 1:200

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**

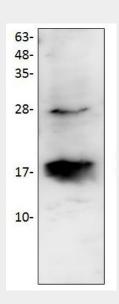
Expressed in ureter...

### **Uroplakin III Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### **Uroplakin III Antibody - Images**



Western blot of Jurkat cell lysate with Uroplakin III antibody.

# **Uroplakin III Antibody - Background**





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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.