

# UPK1A Polyclonal antibody

Catalog Number: 25275-1-AP

2 Publications

## Basic Information

**Catalog Number:**

25275-1-AP

**Size:**

800 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG17356

**GenBank Accession Number:**

BC107098

**GeneID (NCBI):**

11045

**UNIPROT ID:**

O00322

**Full Name:**

uroplakin 1A

**Calculated MW:**

258 aa, 29 kDa

**Observed MW:**

29 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:2500-1:10000

## Applications

**Tested Applications:**

IHC, IP, ELISA

**Cited Applications:**

IF, IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human

**Note-IHC:** suggested antigen retrieval with **TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

IP: mouse bladder tissue,

IHC: human bladder tissue, rat bladder tissue, mouse bladder tissue

## Background Information

Uroplakins are a group of urothelial differentiation-related membrane proteins. They are components of the asymmetric unit membrane (AUM), which forms the apical plaques of mammalian urothelium and is believed to play a role in strengthening the urothelial apical surface thus preventing the cells from rupturing during bladder distention (PMID: 8175808). Uroplakin-1a (UPK1A) belongs to the tetraspanin (TM4SF) family. UPK1A plays an important role in normal bladder epithelial physiology, possibly in regulating membrane permeability of superficial umbrella cells or in stabilizing the apical membrane.

## Notable Publications

Author	Pubmed ID	Journal	Application
Cong Li	31885626	Stem Cells Int	IF
Maki Kawasaki-Nanri	27020040	Int J Urol	IHC

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

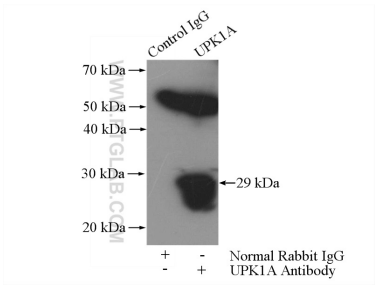
For technical support and original validation data for this product please contact:

T: 4006900926

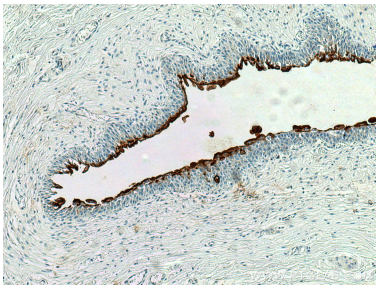
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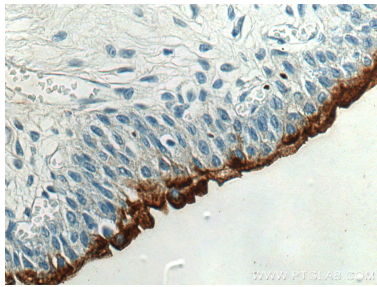
Selected Validation Data



IP result of anti-UPK1A (IP:25275-1-AP, 4ug; Detection:25275-1-AP 1:300) with mouse bladder tissue lysate 3200ug.



Immunohistochemical analysis of paraffin-embedded human bladder tissue slide using 25275-1-AP (UPK1A antibody) at dilution of 1:5000 (under 10x lens)..



Immunohistochemical analysis of paraffin-embedded human bladder tissue slide using 25275-1-AP (UPK1A antibody) at dilution of 1:5000 (under 40x lens)..