

For Research Use Only

# UPK3B Polyclonal antibody

Catalog Number: 15709-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 15709-1-AP	<b>GenBank Accession Number:</b> BC004304	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 450 µg/ml	<b>GeneID (NCBI):</b> 80761	<b>Recommended Dilutions:</b> IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BT76	
<b>Isotype:</b> IgG	<b>Full Name:</b> uroplakin 3B	
<b>Immunogen Catalog Number:</b> AG8326	<b>Calculated MW:</b> 34 kDa	
	<b>Observed MW:</b> 34 kDa	

## Applications

<b>Tested Applications:</b> IHC, IP, ELISA	<b>Positive Controls:</b> IP: mouse testis tissue, IHC: human bladder tissue,
<b>Cited Applications:</b> IF	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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-3b (UPK3B), also named as p35, is a single-pass type I membrane protein. This protein dimerizes with uroplakin-1b (UPK1B) to exit out of endoplasmic reticulum, which is an important early step in urothelial plaque assembly (PMID: 12446744).

## Notable Publications

Author	Pubmed ID	Journal	Application
Cong Li	31885626	Stem Cells Int	IF
M Chauvin	37453057	Cell Rep	IF

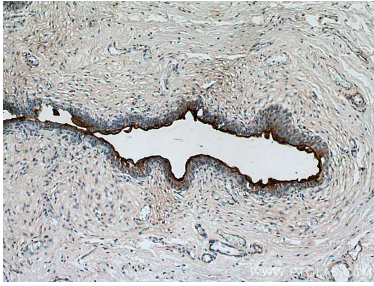
## Storage

**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

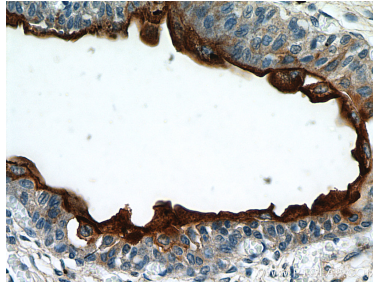
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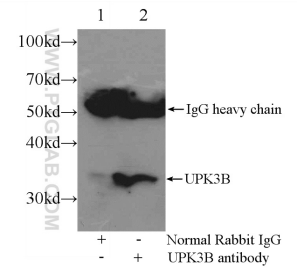
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human bladder tissue slide using 15709-1-AP (UPK3B antibody) at dilution of 1:1000 (under 10x lens)..



Immunohistochemical analysis of paraffin-embedded human bladder tissue slide using 15709-1-AP (UPK3B antibody) at dilution of 1:1000 (under 40x lens)..



IP result of anti-UPK3B (IP:15709-1-AP, 2ug; Detection:15709-1-AP 1:300) with mouse testis tissue lysate 4000ug.