

For Research Use Only

UPK3B Polyclonal antibody

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



Basic Information

Catalog Number: 15709-1-AP	GenBank Accession Number: BC004304	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 80761	Recommended Dilutions: IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: uroplakin 3B	IHC 1:500-1:2000
Isotype: IgG	Calculated MW: 34 kDa	
Immunogen Catalog Number: AG8326	Observed MW: 34 kDa	

Applications

Tested Applications: IHC, IP, ELISA	Positive Controls: IP: mouse testis tissue,
Cited Applications: IF	IHC: human bladder tissue,
Species Specificity: human, mouse	
Cited Species: human, mouse	

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

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

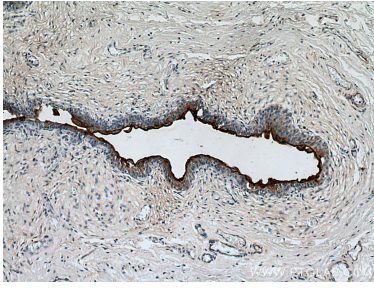
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

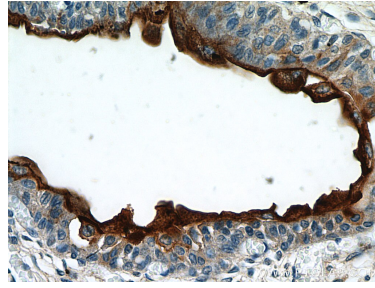
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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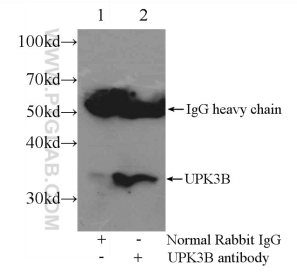
Selected Validation Data



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.