For Research Use Only

UPK3B Polyclonal antibody

Catalog Number:15709-1-AP 2 Publications

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Basic Information

Catalog Number:
15709-1-AP

Size:
150ul , Concentration: 450 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG8326

GenBank Accession Number:
BC004304

GeneID (NCBI):
80761

UNIPROT ID:
Q9BT76

Full Name:
uroplakin 3B

Calculated MW:
34 kDa

Observed MW:
34 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:500-1:2000

Applications

Tested Applications:
IP, IHC, ELISA

Cited Applications:
IF

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

Positive Controls:

IP : mouse testis tissue,

IHC : human 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-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 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

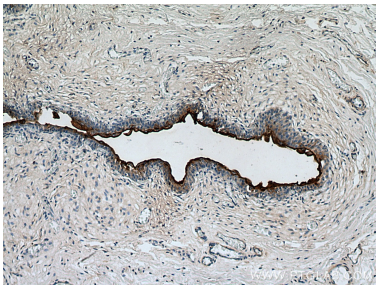
Storage

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

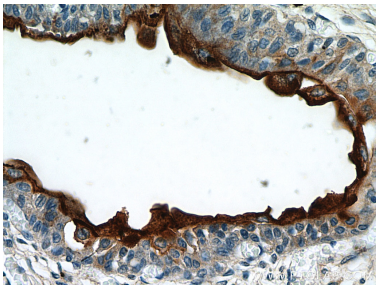
***** 20ul sizes contain 0.1% BSA**

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
W: ptglab.com

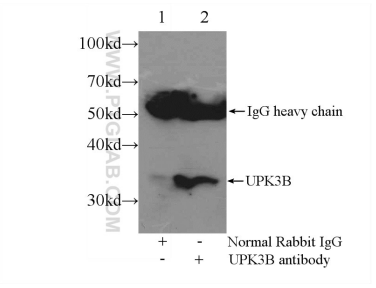
Selected Validation Data



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.