

UPK3B Polyclonal antibody

Catalog Number: 15709-1-AP

2 Publications

Basic Information

Catalog Number:

15709-1-AP

Size:

450 µg/ml

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 µg for 1.0-3.0 mg of total protein lysate
IHC 1:500-1:2000

Applications

Tested Applications:

IHC, IP, 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 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

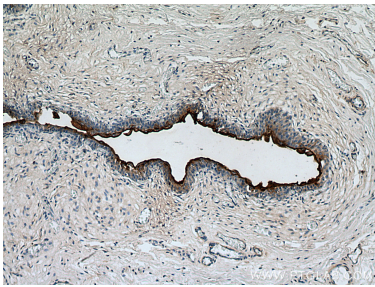
For technical support and original validation data for this product please contact:

T: 4006900926

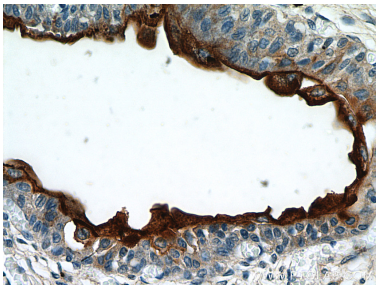
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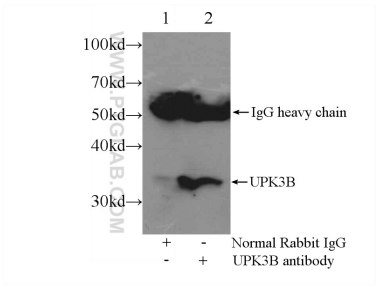
Selected Validation Data



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.