

For Research Use Only

UPK3A Polyclonal antibody

Catalog Number: 55229-1-AP



Basic Information

Catalog Number:

55229-1-AP

Size:

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

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_006953

GeneID (NCBI):

7380

UNIPROT ID:

O75631

Full Name:

uroplakin 3A

Calculated MW:

31 kDa

Observed MW:

31-33 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : mouse kidney tissue,

IHC : mouse bladder tissue,

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 III (UPK3A) is a promising new urine marker for bladder cancer detection (PMID: 20346489). Loss of UPK3A expression is associated with clinicopathological features of invasive bladder cancer and poor prognosis in upper tract urothelial carcinoma (PMID: 18313120; PMID: 16686732). UPK3A has a calculated molecular weight of 30.7 kDa, with an apparent molecular weight of 47 kDa due to three potential N-glycosylation sites.

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

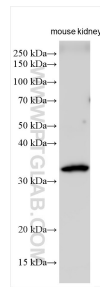
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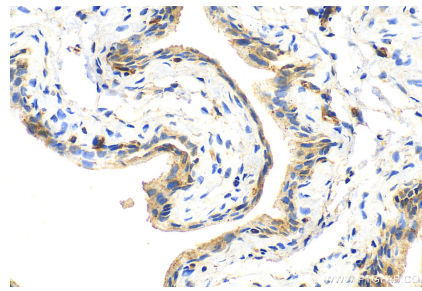
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 55229-1-AP (UPK3A antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse bladder tissue slide using 55229-1-AP (Uroplakin III antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).