

For Research Use Only

UPK2 Polyclonal antibody

Catalog Number: 21149-1-AP

4 Publications



Basic Information

Catalog Number:

21149-1-AP

Size:

150ul, Concentration: 900 ug/ml by Nanodrop and 473 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15694

GenBank Accession Number:

BC113900

GeneID (NCBI):

7379

UNIPROT ID:

O00526

Full Name:

uroplakin 2

Calculated MW:

184 aa, 19 kDa

Observed MW:

28 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

Applications

Tested Applications:

IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, rat

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:

IHC : human bladder tissue, mouse 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-2 (UPK2) is a single-pass type I membrane protein. UPK2 may play an important role in regulating the assembly of the AUM.

Notable Publications

Author	Pubmed ID	Journal	Application
Yuta Inoue	31554870	Sci Rep	IF
Yulin Lv	39651805	Adv Sci (Weinh)	IF
Changhao Hou	36928109	Biofabrication	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

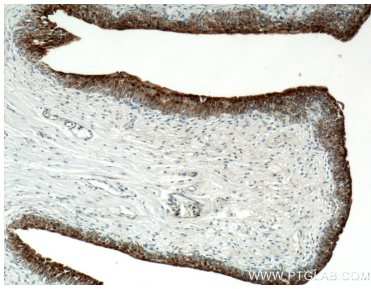
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

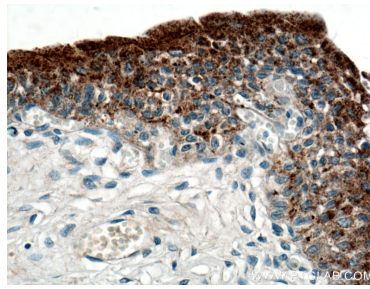
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human bladder tissue slide using 21149-1-AP (UPK2 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human bladder tissue slide using 21149-1-AP (UPK2 Antibody) at dilution of 1:200 (under 40x lens).