

For Research Use Only

UPK1A Polyclonal antibody

Catalog Number: 25275-1-AP **2 Publications**



Basic Information

Catalog Number: 25275-1-AP	GenBank Accession Number: BC107098	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 11045	Recommended Dilutions: IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: uroplakin 1A	IHC 1:2500-1:10000
Isotype: IgG	Calculated MW: 258 aa, 29 kDa	
Immunogen Catalog Number: AG17356	Observed MW: 29 kDa	

Applications

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

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-1a (UPK1A) belongs to the tetraspanin (TM4SF) family. UPK1A plays an important role in normal bladder epithelial physiology, possibly in regulating membrane permeability of superficial umbrella cells or in stabilizing the apical membrane.

Notable Publications

Author	Pubmed ID	Journal	Application
Cong Li	31885626	Stem Cells Int	IF
Maki Kawasaki-Nanri	27020040	Int J Urol	IHC

Storage

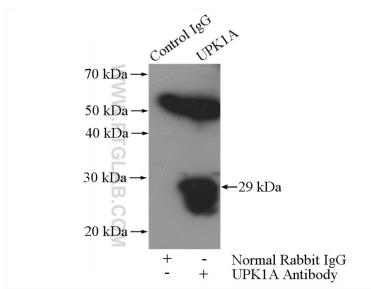
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 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

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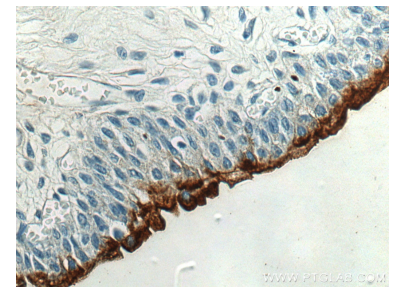
Selected Validation Data



IP Result of anti-UPK1A (IP:25275-1-AP, 4ug; Detection:25275-1-AP 1:300) with mouse bladder tissue lysate 3200ug.



Immunohistochemical analysis of paraffin-embedded human bladder tissue slide using 25275-1-AP (UPK1A antibody) at dilution of 1:5000 (under 10x lens)..



Immunohistochemical analysis of paraffin-embedded human bladder tissue slide using 25275-1-AP (UPK1A antibody) at dilution of 1:5000 (under 40x lens)..