

For Research Use Only

UPK1A Recombinant monoclonal antibody

Catalog Number:86799-1-RR



Basic Information

Catalog Number: 86799-1-RR	GenBank Accession Number: BC107098	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 11045	CloneNo.: 251472C10
Source: Rabbit	UNIPROT ID: O00322	Recommended Dilutions: WB: 1:2000-1:10000 IF-P: 1:50-1:500
Isotype: IgG	Full Name: uroplakin 1A	
Immunogen Catalog Number: AG17356	Calculated MW: 258 aa, 29 kDa	
	Observed MW: 29 kDa	

Applications

Tested Applications: WB, IF-P, ELISA	Positive Controls: WB : mouse bladder tissue, rat bladder tissue IF-P : mouse bladder tissue,
Species Specificity: human, mouse, rat	

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.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

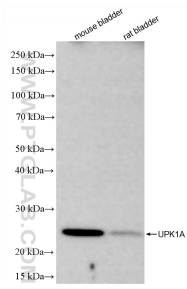
For technical support and original validation data for this product please contact:

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

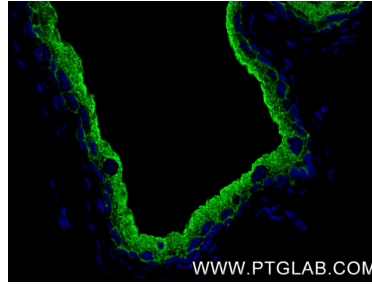
E: proteintech@ptglab.com
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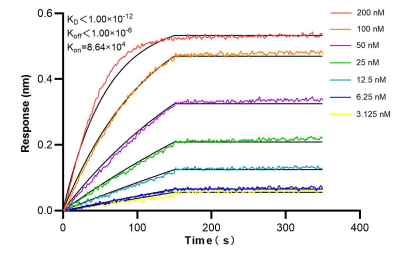
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86799-1-RR (UPK1A antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse bladder tissue using UPK1A antibody (86799-1-RR, Clone: 251472C10) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Bi-layer interferometry (BLI) kinetic assays of 86799-1-RR against Human UPK1A were performed. The affinity constant is below 1 pM.