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UPK1A Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9225b

Product Information

Application	WB, E
Primary Accession	O00322
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB23236
Calculated MW	28879
Antigen Region	191-217

Additional Information

Gene ID	11045
Other Names	Uroplakin-1a, UP1a, Tetraspanin-21, Tspan-21, Uroplakin Ia, UPIa, UPKa, UPK1A, TSPAN21
Target/Specificity	This UPK1A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 191-217 amino acids from the C-terminal region of human UPK1A.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	UPK1A Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	UPK1A
Synonyms	TSPAN21
Function	Component of the asymmetric unit membrane (AUM); a highly specialized

	biomembrane elaborated by terminally differentiated urothelial cells. May play an important role in normal bladder epithelial physiology, possibly in regulating membrane permeability of superficial umbrella cells or in stabilizing the apical membrane through AUM/cytoskeletal interactions (By similarity).
Cellular Location	Membrane; Multi-pass membrane protein.
Tissue Location	High expression restricted to ureteric urothelium (most superficial cells); low expression in prostate. Expression in normal urothelial cells is lost in culture. Some expression in tumor cell lines derived from urothelial malignancies

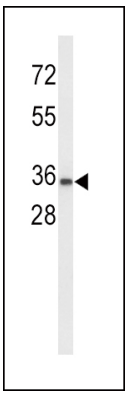
Background

The protein is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is found in the asymmetrical unit membrane (AUM) where it can complex with other transmembrane 4 superfamily proteins. It may play a role in normal bladder epithelial physiology, possibly in regulating membrane permeability of superficial umbrella cells or in stabilizing the apical membrane through AUM/cytoskeletal interactions.

References

Wang,H., et.al., J. Mol. Biol. 392 (2), 352-361 (2009)
Hall,G.D., et.al., Biochim. Biophys. Acta 1729 (2), 126-134 (2005)

Images



Western blot analysis of UPK1A Antibody (C-term) (Cat. #AP9225b) in K562 cell line lysates (35ug/lane). UPK1A (arrow) was detected using the purified Pab.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.