

UPK1A Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9225b

Specification

UPK1A Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O00322
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	28879
Antigen Region	191-217

UPK1A Antibody (C-term) - 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.

UPK1A Antibody (C-term) - 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

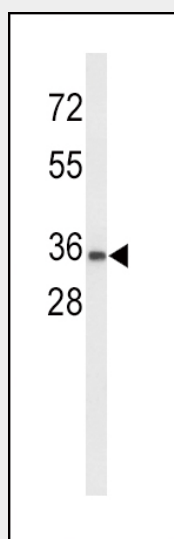
High expression restricted to ureteric urothelium (most superficial cells); low expression in prostate. Expression in normal urothelial cells is lost in culture. Some expression in tumor cell lines derived from urothelial malignancies

UPK1A Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

UPK1A Antibody (C-term) - 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.

UPK1A Antibody (C-term) - 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.

UPK1A Antibody (C-term) - 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)