

**UPK1A Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9225b****Specification**

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**UPK1A Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [O00322](#)**UPK1A Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 11045**Other Names**

Uroplakin-1a, UP1a, Tetraspanin-21, Tspan-21, Uroplakin Ia, UPIa, UPKa, UPK1A, TSPAN21

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP9225b](/products/AP9225b) was selected from the C-term region of human UPK1A. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**UPK1A Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **UPK1A Antibody (C-term) Blocking Peptide - Images**

### **UPK1A Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - 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)