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UPK1A Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP9225b

Specification

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 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)