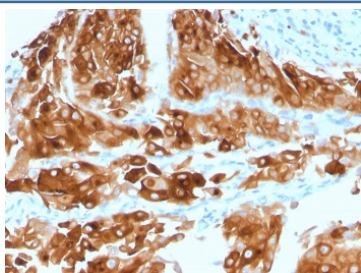


## UPK1A Antibody / Uroplakin 1A [clone UPK1A/2921] (V7671)

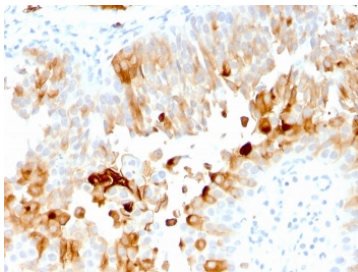
Catalog No.	Formulation	Size
V7671-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7671-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7671SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

**Bulk quote request**

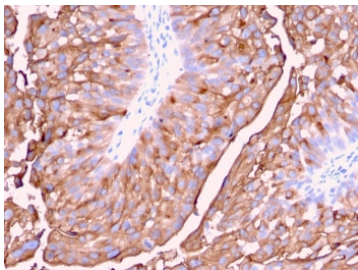
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2b, kappa
<b>Clone Name</b>	UPK1A/2921
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	O00322
<b>Localization</b>	Cell surface, cytoplasmic
<b>Applications</b>	ELISA (order BSA-free Format For Coating) : Immunohistochemistry (FFPE) : 1-2ug/ml
<b>Limitations</b>	This UPK1A antibody is available for research use only.



IHC staining of FFPE human urothelial carcinoma with UPK1A antibody (clone UPK1A/2921). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



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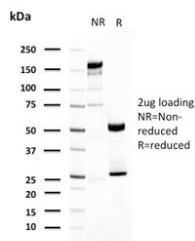


IHC staining of FFPE human urinary bladder with UPK1A antibody (clone UPK1A/2921). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.

Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using UPK1A antibody (clone UPK1A/2921). These results demonstrate the foremost specificity of the UPK1A/2921 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free UPK1A antibody (clone UPK1A/2921) as confirmation of integrity and purity.

## Description

The protein encoded by this gene 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. The protein may also play a role in tumor suppression.

## Application Notes

Optimal dilution of the UPK1A antibody should be determined by the researcher.

## Immunogen

Amino acids 114-173 were used as the immunogen for the UPK1A antibody.

## Storage

Store the UPK1A antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).