

Datasheet for ABIN6939114
anti-UPK1A antibody (AA 114-173)

5 Images

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Overview

Quantity:	100 µg
Target:	UPK1A
Binding Specificity:	AA 114-173
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This UPK1A antibody is un-conjugated
Application:	ELISA, Coating (Coat), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant fragment (around aa 114-173) of human Uroplakin 1A (UPK1A) protein (exact sequence is proprietary)
Clone:	UPK1A-2921
Isotype:	IgG2b
Specificity:	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

Product Details

	or in stabilizing the apical membrane through AUM/cytoskeletal interactions. The protein may also play a role in tumor suppression.
Cross-Reactivity (Details):	Human,
Purification:	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G.

Target Details

Target:	UPK1A
Alternative Name:	UPK1A (UPK1A Products)
Background:	UP1A, UPIA, UPKA, TSPAN21,Uroplakin 1A (Urothelial Differentiation Marker) Cellular localisation: Cell Surface
Molecular Weight:	29kDa
Gene ID:	11045, 159309
UniProt:	O00322

Application Details

Application Notes:	Positive Control: Urinary Bladder. Known Application: ELISA (For coating, order Ab without BSA), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

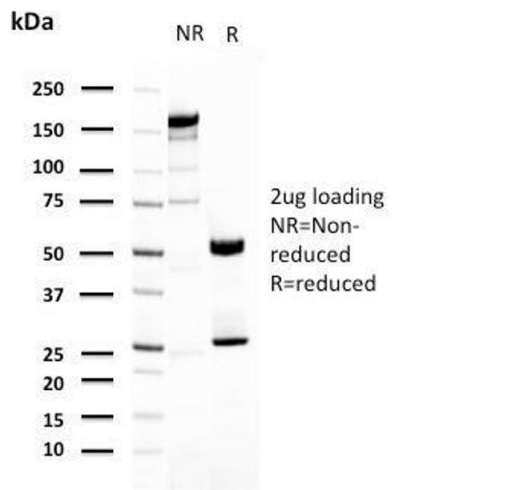
Concentration:	200 µg/mL
Buffer:	Prepared in 10 mM PBS with 0.05 % BSA and 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C

Handling

Storage Comment: Antibody with azide - store at 2 to 8 °C. Antibody is stable for 24 months. Non-hazardous. Also available WITHOUT BSA & azide at 1.0mg/ml.

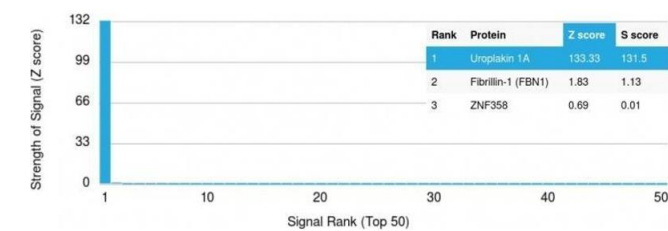
Expiry Date: 24 months

Images



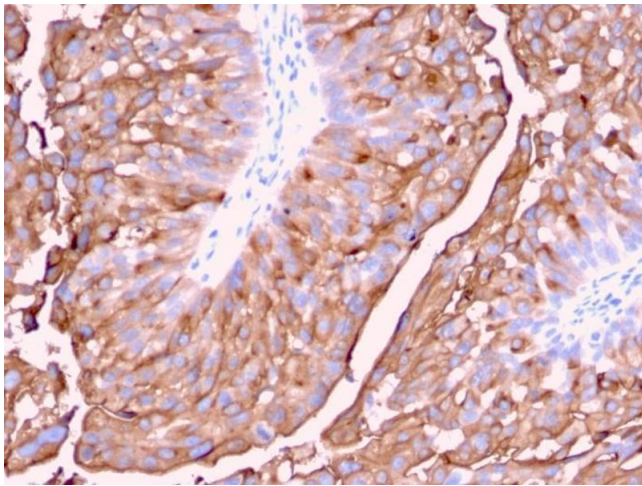
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Uroplakin 1A Mouse Monoclonal Antibody (UPK1A/2921). Confirmation of Purity and Integrity of Antibody



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using Uroplakin 1A Mouse Monoclonal Antibody (UPK1A/2921) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Urinary Bladder stained with Uroplakin 1A Mouse Monoclonal Antibody (UPK1A/2921).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6939114.