

Datasheet for ABIN6940858  
**anti-Uroplakin 1B antibody (AA 109-229)**

## 5 Images

[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	Uroplakin 1B (UPK1B)
Binding Specificity:	AA 109-229
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Uroplakin 1B antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Coating (Coat), Staining Methods (StM)

## Product Details

Immunogen:	Recombinant fragment (around aa 109-229) of human Uroplakin 1B (UPK1B) protein (exact sequence is proprietary)
Clone:	UPK1B-3102
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

## Target Details

Target:	Uroplakin 1B (UPK1B)
Alternative Name:	UPK1B ( <a href="#">UPK1B Products</a> )
Background:	The protein encoded by this gene is a member of the transmembrane 4 superfamily, also

## Target Details

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 form a 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. UPK1B is expressed by terminally differentiated urothelial cells.

Molecular Weight: 30kDa

Gene ID: 7348

UniProt: [O75841](#)

## 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 boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min 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: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

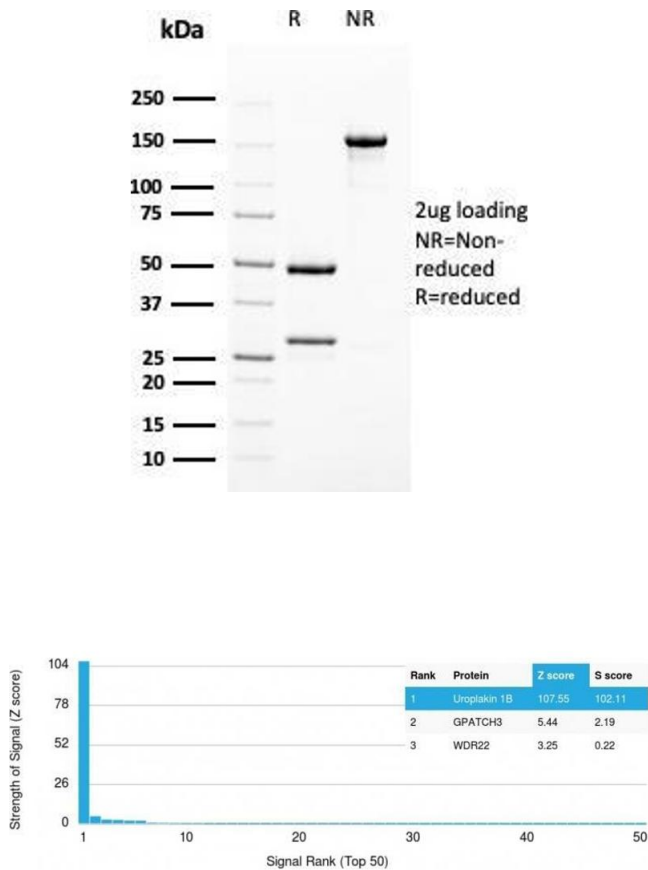
Preservative: Sodium azide

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

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months

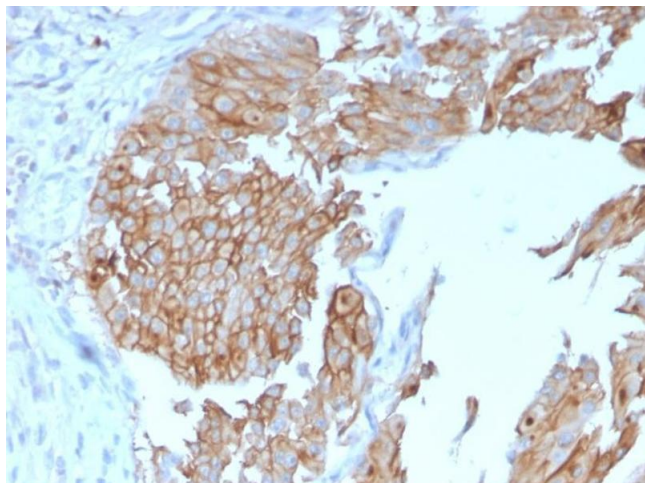


SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified Uroplakin 1B Mouse Monoclonal Antibody (UPK1B/3102). 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 1B Mouse Monoclonal Antibody (UPK1B/3102) 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 Urothelial Carcinoma stained with Uroplakin 1B Mouse Monoclonal Antibody (UPK1B/3102).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6940858.