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Datasheet for ABIN6938732  
**anti-Uroplakin 1B antibody (AA 109-229)**

## Overview

Quantity:	100 µg
Target:	Uroplakin 1B (UPK1B)
Binding Specificity:	AA 109-229
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	ELISA, Coating (Coat), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

## Product Details

Immunogen:	Recombinant fragment (around aa 109-229) of human Uroplakin 1B (UPK1B) protein (exact sequence is proprietary)
Clone:	UPK1B-3081
Isotype:	IgG2b kappa
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 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.

## Product Details

Cross-Reactivity (Details): Human.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

## Target Details

Target: Uroplakin 1B (UPK1B)

Alternative Name: UPK1B ([UPK1B Products](#))

Background: Tetraspanin-20, Tspan-20, TSPAN20, UP1b, UPIb, UPK1B, Uroplakin-1b, Uroplakin 1B (Urothelial Differentiation Marker)

Cellular localisation: Cell Surface

Molecular Weight: 30kDa

Gene ID: 7348, 271580

UniProt: [O75841](#)

## Application Details

Application Notes: 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&degC followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.

Positive\_Control: Urinary Bladder.

Restrictions: For Research Use only

## Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Storage: -20 °C, -80 °C

Storage Comment: Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Expiry Date: 24 months