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Datasheet for 600-401-FV3

UPK1B Antibody

Overview

Description:	Anti-UPK1B (RABBIT) Antibody - 600-401-FV3
Item No.:	600-401-FV3
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Uroplakin-1B (UPK1B) 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. UPK1B is found in the asymmetrical unit membrane (AUM) where it can form a complex with other transmembrane 4 superfamily proteins and 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.
Synonyms:	UPK1B Antibody, UPIB, UPK1, TSPAN20, Uroplakin-1b, Tetraspanin-20, UP1b
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	UPK1B
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-UPK1B antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid synthetic peptide near the internal region of human UPK1B.

Purity/Specificity:	Anti-UPK1B Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least two isoforms of UPK1B are known to exist; this antibody will recognize both isoforms. UPK1B antibody is predicted to not cross-react with other tetraspanin protein family members.
Relevant Links:	• UniProtKB - O75841 • GeneID - 7348 • NCBI - NP_008883.2

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-UPK1B Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 30 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5000 - 1:10000
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	0.5-1 µg/mL

Formulation

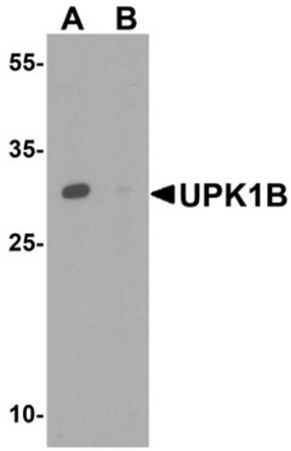
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

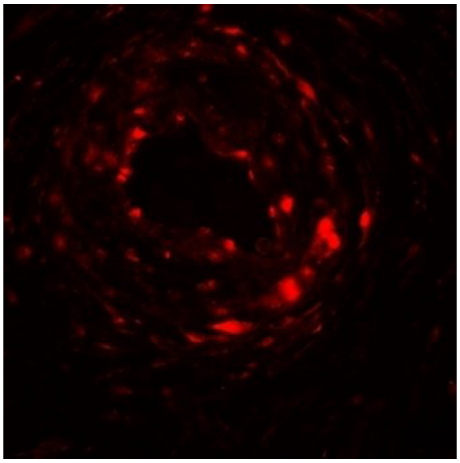
Shipping Condition:	Dry Ice

Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

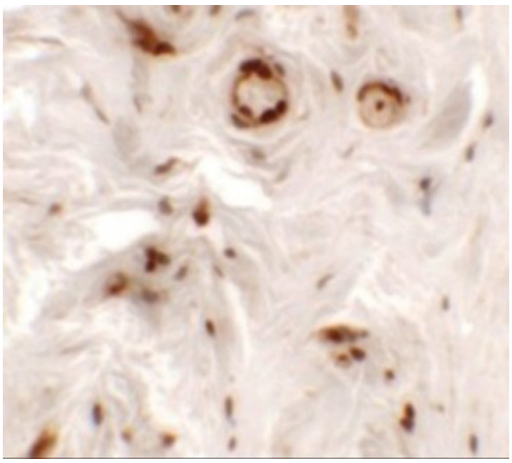
Images



Western Blot
Western blot analysis of UPK1B.
Load: human kidney tissue lysate.
Primary Antibody: UPK1B antibody at 1 µg/mL in the (A) absence and (B) presence of blocking peptide.



Immunofluorescence Microscopy
Immunofluorescence of UPK1B.
Tissue: human bladder muscle tissue.
Primary Antibody: UPK1B antibody at 20 µg/mL.



Immunohistochemistry
Immunohistochemistry of UPK1B.
Tissue: human bladder tissue.
Primary Antibody: UPK1B antibody at 5 µg/mL.

Disclaimer

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