

Anti-Uroplakin-1b UPK1B Antibody

Catalog Number: A10230

About UPK1B

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.

Overview

Product Name	Anti-Uroplakin-1b UPK1B Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Uroplakin-1b UPK1B Antibody (Catalog # A10230). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	UPK1B Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	UPK1B antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	O75841

Technical Details

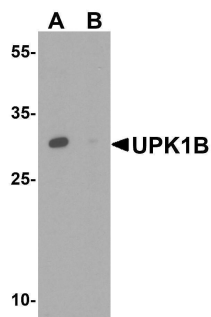
Immunogen	UPK1B antibody was raised against a 17 amino acid synthetic peptide near the center of human UPK1B. The immunogen is located within amino acids 110 - 160 of UPK1B.
Predicted Reactive Species	Bovine
Cross Reactivity	At least two isoforms of UPK1B are known to exist; this antibody will recognize both isoforms. UPK1B antibody is predicted to not cross-react with other tetraspanin protein family members.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	UPK1B Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

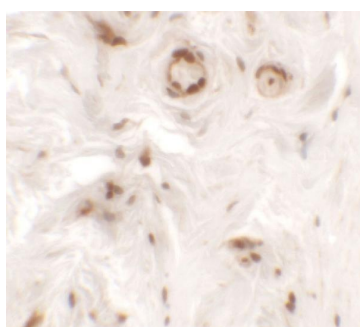
UPK1B antibody can be used for detection of UPK1B by Western blot at 0.5 - 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

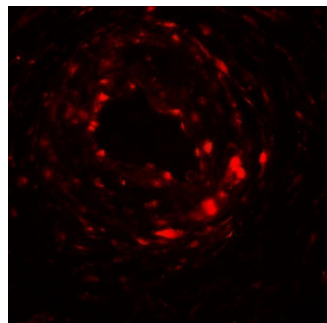
Anti-Uroplakin-1b UPK1B Antibody (A10230) Images



Western blot analysis of UPK1B in human kidney tissue lysate with UPK1B antibody at 1 ug/mL in the (A) absence and (B) presence of blocking peptide.



Immunohistochemistry of UPK1B in human bladder tissue with UPK1B antibody at 5 ug/mL.



Immunofluorescence of UPK1B in human bladder muscle tissue with UPK1B antibody at 20 ug/mL.

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Anti-Uroplakin-1b UPK1B Antibody

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