10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Uroplakin 3A (Bladder Carcinoma Marker) Antibody - With BSA and Azide

Rabbit Polyclonal Antibody
Catalog # AH10806

Product Information

Application	WB, IF, FC
Primary Accession	O75631
Other Accession	7380, 632787
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit / IgG
Clone Names	
Calculated MW	30670

Additional Information

Gene ID	7380
Other Names	Uroplakin-3a, UP3a, Uroplakin III, UPIII, UPK3A, UPK3
Application Note	WB~~1:1000 IF~~1:50~200 FC~~1:10~50
Format	200ug/ml of Ab purified from rabbit anti-serum by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA at 1.0mg/ml.
Storage	Store at 2 to 8°C.Antibody is stable for 24 months.
Precautions	Uroplakin 3A (Bladder Carcinoma Marker) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	UPK3A
Synonyms	UPK3
Function	Component of the asymmetric unit membrane (AUM); a highly specialized biomembrane elaborated by terminally differentiated urothelial cells. May play an important role in AUM-cytoskeleton interaction in terminally differentiated urothelial cells. It also contributes to the formation of urothelial glycocalyx which may play an important role in preventing bacterial adherence (By similarity).

Cellular Location	Endoplasmic reticulum membrane; Single-pass type I membrane protein. Note=Heterodimer formation with UPK1B is a prerequisite to exit out of the endoplasmic reticulum (ER).
Tissue Location	Expressed in ureter..

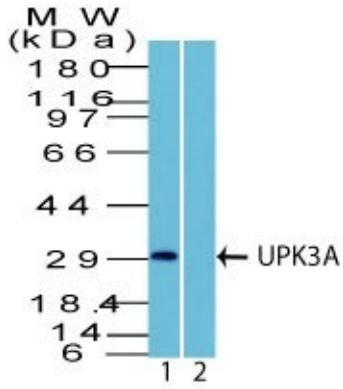
Background

Uroplakin-3A (UPK3A) is a component of the asymmetric unit membrane (AUM). It is a highly specialized bio-membrane made by terminally differentiated urothelial cells. The protein may play an important role in AUM-cytoskeleton interaction in terminally differentiated urothelial cells. UPK3A also contributes to the formation of urothelial glycocalyx, which may play an important role in preventing bacterial adherence through FimH bacterial protein binding leading to bladder infection. UPK3A has been shown as a helpful marker for the detection of bladder cancer.

References

Lai Y et. al. 2010. UPK3A: a promising novel urinary marker for the detection of bladder cancer. Urology 76, 514; 2009

Images



Western Blot in human HEK293 Lysate in 1) absence and 2) presence of immunizing peptide using UPK3A Rabbit Polyclonal Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.