



Uroplakin III mouse mAb(ABT523)

Catalog No	BYab-15629
Isotype	IgG
Reactivity	Human; Predict react with Mouse
Applications	IHC;IF
Gene Name	UPK3A UPK3
Protein Name	Uroplakin III
Immunogen	Synthesized peptide derived from human Uroplakin III
Specificity	The antibody can specifically recognize human Uroplakin III protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.06% sodium azide.
Source	Mouse, Monoclonal/IgG1, Kappa
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:100-500, IF 1:100-500
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Uroplakin-3a (UP3a;Uroplakin III;UPIII)
Observed Band	
Cell Pathway	Endoplasmic reticulum membrane ; Single-pass type I membrane protein . Heterodimer formation with UPK1B is a prerequisite to exit out of the endoplasmic reticulum (ER). .
Tissue Specificity	Expressed in ureter.
Function	disease:Defects in UPK3A are a cause of renal adysplasia [MIM:191830]; also known as renal agenesis or renal aplasia. Renal agenesis refers to the absence of one (unilateral) or both (bilateral) kidneys at birth. Bilateral renal agenesis belongs to a group of perinatally lethal renal diseases, including severe bilateral renal dysplasia, unilateral renal agenesis with contralateral dysplasia and severe obstructive uropathy.,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.,similarity:Belongs to the uroplakin-3 family.,subcellular

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location:Heterodimer formation

Background

This gene encodes a member of the uroplakin family, a group of transmembrane proteins that form complexes on the apical surface of the bladder epithelium. Mutations in this gene may be associated with renal adysplasia. Alternatively spliced transcript variants have been described.[provided by RefSeq, Nov 2009],

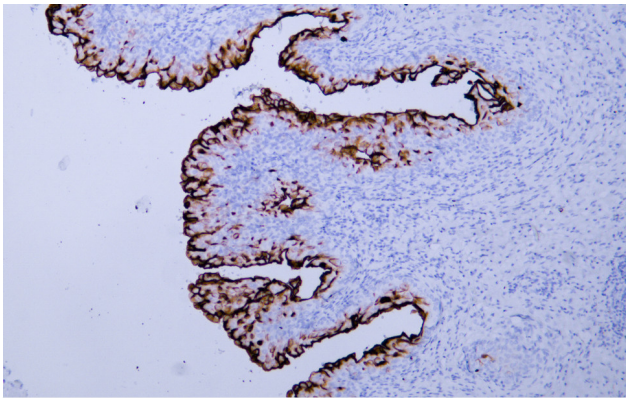
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Human bladder tissue was stained with Anti-Uroplakin III (ABT523) Antibody