

Uroplakin III (ABT-UPK3) IHC kit

Catalog No :	IHCM6138
Reactivity :	Human;Mouse;
Applications :	IHC
Target :	Uroplakin III
Fields :	>>Bladder cancer
Gene Name :	UPK3A UPK3
Protein Name :	Uroplakin-3a (UP3a) (Uroplakin III) (UPIII)
Human Gene Id :	7380
Human Swiss Prot No :	O75631
Immunogen :	Synthesized peptide derived from human Uroplakin III AA range: 200-287
Specificity :	The antibody can specifically recognize human Uroplakin III protein.
Source :	Mouse, Monoclonal/IgG1, Lambda
Purification :	The antibody was affinity-purified from ascites by affinity-chromatography using specific immunogen.
Storage Stability :	2°C to 8°C/1 year
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],
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 location:Heterodimer formation

Subcellular
Location :

Membranous, Cytoplasmic

Expression :

Expressed in ureter.

Products Images



Human bladder tissue was stained with Anti-Uroplakin III (ABT-UPK3) Antibody