# Uroplakin III (ABT-UPK3) mouse mAb

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| **Catalog No** | BYab-15230 |
| **Isotype** | IgG |
| **Reactivity** | Human; Predict react with Mouse |
| **Applications** | IHC;IF |
| **Gene Name** | UPK3A UPK3 |
| **Protein Name** | Uroplakin-3a (UP3a) (Uroplakin III) (UPIII) |
| **Immunogen** | Synthesized peptide derived from human Uroplakin III |
| **Specificity** | This antibody detects endogenous levels of human Uroplakin III. Heat-induced epitope retrieval (HIER) TRIS-EDTA of pH8.0 was highly recommended as antigen repair method in paraffin section |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Source** | Mouse, Monoclonal/IgG1, Lambda |
| **Purification** | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. |
| **Dilution** | WB 500-2000 IHC-p 1:100-500. IF 1:50-200 |
| **Concentration** | 1 mg/ml |
| **Purity** | ≥90% |
| **Storage Stability** | -20°C/1 year |
| **Synonyms** | |
| **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 |

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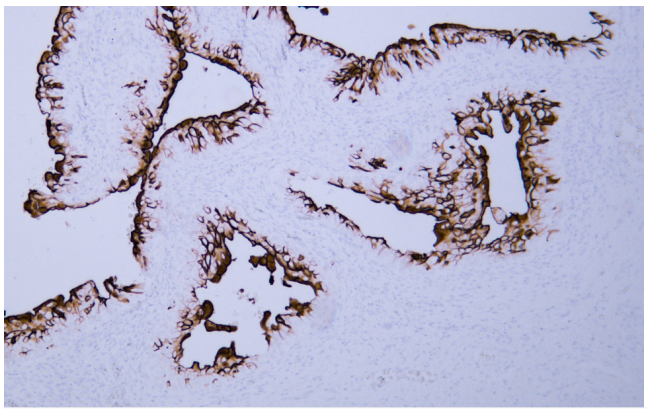
| | urothelial glycocalyx which may play an important role in preventing bacterial adherence.,similarity:Belongs to the uroplakin-3 family.,subcellular location:Heterodimer formation |
| **Background** | This gene encodes a member of the uroplakin family, a group of transmembrane proteins that form complexes 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 (ABT-UPK3) Antibody