

Uroplakin III (ABT-UPK3) Mouse mAb

CatalogNo: YM4851 **Recombinant** 

Key Features

Host Species

- Mouse

Reactivity

- Human, Mouse

Applications

- IHC, WB, IF, ELISA

MW

- 50-60kD (Observed)

Isotype

- IgG1, Lambda

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

IHC 1:200-1000**WB 1:500-2000****IF 1:100-500****ELISA 1:1000-5000**

Basic Information

Clonality Monoclonal**Clone Number** ABT-UPK3

Immunogen Information

Immunogen Synthesized peptide derived from human Uroplakin III AA range: 200-287**Specificity** The antibody can specifically recognize human Uroplakin III protein.

| Target Information

Gene name UPK3A UPK3

Protein Name Uroplakin-3a (UP3a) (Uroplakin III) (UPIII)

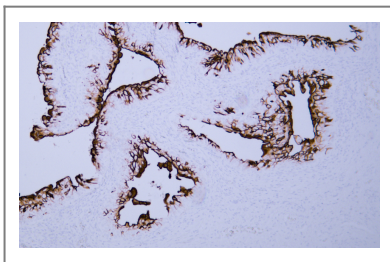
Organism	Gene ID	UniProt ID
Human	7380 ;	O75631 ;

Cellular Localization Membranous, Cytoplasmic

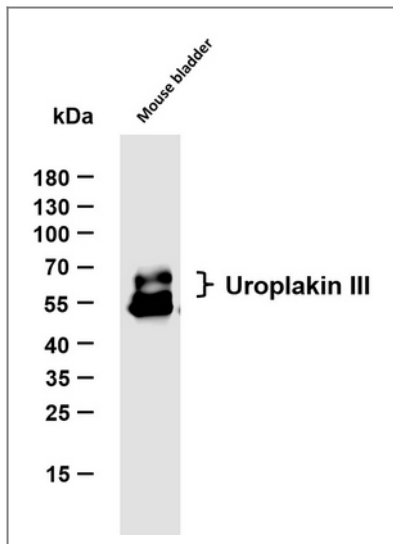
Tissue specificity Expressed in ureter.

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 location:Heterodimer formation with UPK1B is a prerequisite to exit out of the endoplasmic reticulum (ER).,subunit:Heterodimer with uroplakin-1B (UPK1B).,tissue specificity:Expressed in ureter.,

| Validation Data



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



Whole cell lysates were separated by 15% SDS-PAGE, and the membrane was blotted with anti-Uroplakin III (ABT-UPK3) antibody. The HRP-conjugated Goat anti-Mouse IgG (H + L) antibody was used to detect the antibody. Lane 1: Mouse bladder

Contact information

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Uroplakin III (ABT-UPK3) Mouse mAb

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