

Uroplakin III (ABT-UPK3) Mouse mAb

CatalogNo: YM4851

Key Features

Host Species

- Mouse

Reactivity

- Human, Mouse,

Applications

- IHC, WB, IF, ELISA

MW

- 50-60kD (Observed)

Isotype

- IgG1, Lambda

Recommended Dilution Ratios

IHC 1:200-1000

WB 1:500-2000

IF 1:100-500

ELISA 1:1000-5000

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

Basic Information

Clonality Monoclonal

Clone Number ABT-UPK3

Immunogen Information

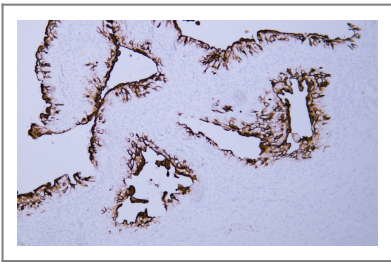
Immunogen Synthesized peptide derived from human Uroplakin III AA range: 200-287

Specificity The antibody can specifically recognize human Uroplakin III protein.

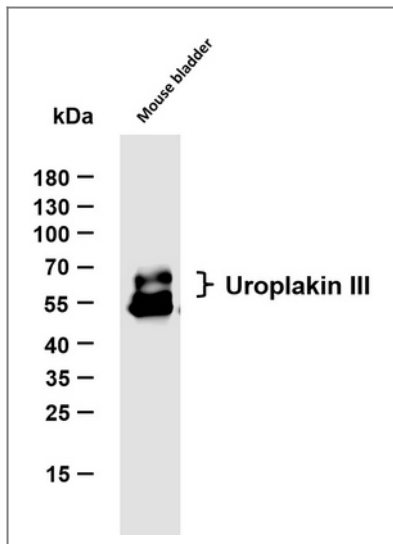
| Target Information

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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