



**Diagnostic
BioSystems**

Launches

UROPLAKIN III ANTIBODY

NEW

Mouse Monoclonal Antibody

Antibody Type: Mouse Monoclonal

Regulatory Status: IVD

Clone: AU1

Cellular Localization: Cytoplasmic
and Membrane

Catalog Number: MOB594/PDM594

**Formalin fixed paraffin embedded human bladder
Ca stained with Uroplakin III (Mob594)**

Uroplakins (UPs) are a family of transmembrane proteins (UPs Ia, Ib, II and III) that are specific differentiation products of urothelial cells. In non-neoplastic mammalian urothelium, UPs are expressed in the luminal surface plasmalemma of superficial (umbrella) cells, forming complexes of 16nm crystalline particles. UPIII is specific for tumors of urothelial origin and, when used in combination with other markers, can aid in the diagnosis of primary and metastatic tumors.

Why UROPLAKIN III

- Characterize urothelial lesions and differentiate from prostatic penile, vulvar or renal lesions.
- Applicable for forensic urine identification by immunohistochemistry.
- IHC positive stain in Ovarian Brenner tumor.

Reference:

- i) Moll R, et al. Uroplakins, specific membrane proteins of urothelial umbrella cells, as histological markers of metastatic transitional cell carcinomas. Am J Pathol. 1995; 147:1383-97.
- ii) Olsburgh J, et al. Uroplakin gene expression in normal human tissues and locally advanced bladder cancer. J Pathol. 2003; 199:41-9