

Uroplakin III (SP73) Rabbit Monoclonal Antibody

Specificity: Human. Others-not known

Immunogen: A synthetic peptide corresponding to C-terminus of human uroplakin III protein

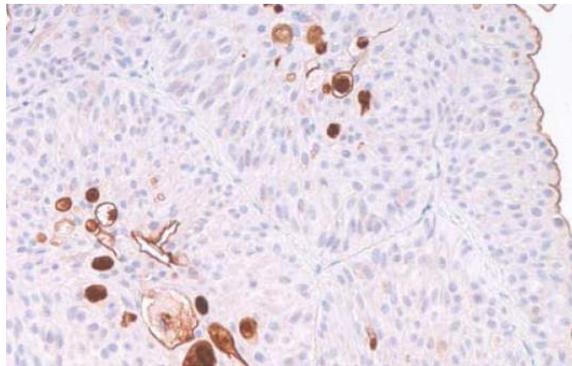
Ig Class: Rabbit IgGk

Storage: Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

Staining procedures: Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:50; *Positive Control:* Bladder or urothelial carcinoma. *Cellular Localization:* Cytoplasmic and membranous. *Intended Use:* In vitro diagnosis (IVD).

Description: 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 16-nm crystalline particles. Uroplakin III is expressed in urothelial carcinomas, whereas many non-urothelial carcinomas were UPIII-negative. Recent studies have shown that UP expression might reflect the malignant potential of urothelial cancer cells as well as being cytodifferential markers of urothelial cells. UPIII expression was strongly associated with lower tumor grades, that lack of UPIII expression in urothelial tumors of the upper urinary tract was associated with much higher rates of metastases, and that 5-year specific survival was much worse for UPIII negative tumors (54%) than for UPIII positive tumors (100%). Apparently UPIII expression is a better indicator of the malignant potential of the tumor than the grade of the tumor.

Supplied As: Purified antibody with 0.2% BSA and 15mM sodium azide.



Formalin-fixed, paraffin-embedded human low grade papillary urothelial carcinoma stained with anti-uroplakin III antibody using peroxidase-conjugate and DAB chromogen. Note the luminal surface staining pattern of tumor

Cat. #Z2083 (1.0 ml)