

Uroplakin III (ZM202) Mouse Monoclonal Antibodies

Specificity: Human. Others-not known

Immunogen: Recombinant fragment (around aa 114-173) of human Uroplakin 1A (UPK1A) protein. Recombinant fragment (around aa 109-229) of human Uroplakin 1B (UPK1B)

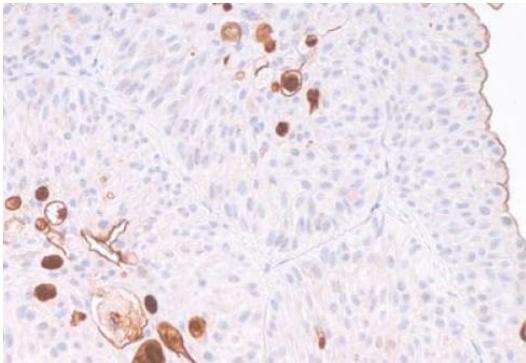
Ig Class: IgG2b/ κ & IgG1/ κ

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:* 1:100-200; *Positive Control:* Bladder or urothelial carcinoma. *Cellular Localization:* Cytoplasmic and membranous. *Intended Use:* In vitro diagnosis (IVD).

Description: The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is found in the asymmetrical unit membrane (AUM) where it can complex with other transmembrane 4 superfamily proteins. It may play a role in normal bladder epithelial physiology, possibly in regulating membrane permeability of superficial umbrella cells or in stabilizing the apical membrane through AUM/cytoskeletal interactions. The protein may also play a role in tumor suppression.

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



References:

1. Moll R, et al. *Am J Pathol.* 1995; 147:1383-97.
2. Olsburgh J, et al. *J Pathol.* 2003; 199:41-9.
3. Parker DC, et al. *Am J Surg Pathol.* 2003; 27:1-10.

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. #Z2521 (1.0 ml)

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