

Uroplakin II (ZR477) Rabbit Monoclonal Antibody

Host: Rabbit
Specificity: Human
Immunogen: Recombinant fragment (around aa 36-51) of human Uroplakin 2 (UPK2) protein
Ig Class: Ig G
Storage: Store at 2-8°C for up to 2 years for concentration form and 18 months for predilute form.

Specification: Uroplakin II (ZR477) Rabbit monoclonal primary antibody detects Uroplakin II protein in formalin-fixed, paraffin-embedded samples by immunohistochemical (IHC) staining.
Staining procedures: Use formalin-fixed and paraffin-embedded sections. Retrieval conditions: Pretreatment of deparaffinized samples via heat-induced epitope retrieval is recommended. Detection method: Polymer anti-mouse/rabbit Ig detection system. Working dilution: 1:100-200. Positive Control: sample known to contain Uroplakin II protein.

Localization: Cell membrane

Intended Use: Research Use Only (RUO). This antibody is not for diagnostic use.
Description: Uroplakin II (UPKII) is a 15-kDa transmembrane protein and member of the uroplakin family (other two components are uroplakin I and uroplakin III), primarily expressed in urothelial (transitional) epithelium. It is a highly specific marker for tumors of urothelial origin, particularly urothelial carcinoma (UC). Immunohistochemistry utilizing UPII antibodies exhibits high specificity and increased sensitivity for urothelial carcinoma compared to UPK I, UPK III, and GATA3. UPII immunohistochemistry is valuable for differentiating urothelial carcinoma from other malignancies, including prostate adenocarcinoma or metastatic breast carcinoma. It has also shown promise for detecting micrometastases of bladder cancer. UPII expression is found in various UC subtypes like micro-papillary, plasmacytoid, and sarcomatoid variants.

Supplied As: Purified antibody in Tris-HCl pH 7.4 buffer containing stabilizing proteins (including < 1% Bovine Serum Albumin) and < 0.1% ProClin by volume.

References:

1. Borhan WM, et al: Am J Surg Pathol. 2017; 41:1570-1575.
2. Wobker SE, et al: Am J Surg Pathol. 2017; 41:557-563.
3. Priore SF, et al: Mod Pathol. 2018; 31:984-988.
4. Chan E, et al: Mod Pathol. 2020; 33:1802-1810.

REF Z2851RL-R/ Z2851RS-R/ Z2851RT-R /Z2851RP-R (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)