

Recombinant Uroplakin II (UPK2) (Urothelial Differentiation

Marker) Antibody

Rabbit Monoclonal Antibody [Clone UPK2/13348R]

| Catalog No | Format | Size |
|-----------------|---|--------|
| 7379-RBM3-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 7379-RBM3-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 7379-RBM3-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

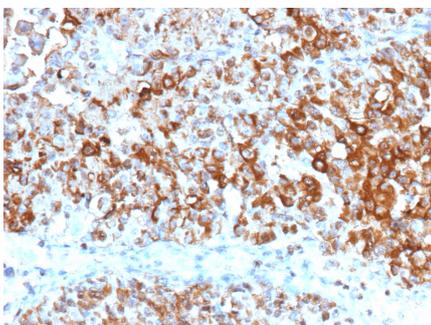
| Applications | Tested Dillution | Note |
|----------------------------|------------------|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |

Product Details

| | |
|-------------------------------|--|
| Clone | UPK2/13348R |
| Gene Name | UPK2 |
| Immunogen | Recombinant fragment (around aa 36-51) of human Uroplakin 2 (UPK2) protein (exact sequence is proprietary) |
| Host | Rabbit |
| Clonality | Monoclonal |
| Isotype / Light Chain | IgG / Kappa |
| Mol. Weight of Antigen | 195kDa |
| Cellular Localization | Cell membrane |
| Species Reactivity | Human |
| Positive Control | Urinary bladder. |

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant Uroplakin II (UPK2) (Urothelial Differentiation Marker) Antibody



Formalin-fixed, paraffin-embedded human bladder cancer stained with Uroplakin II Recombinant Rabbit Monoclonal Antibody (UPK2/13348R). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

Uroplakin II (UPII) is a 15-kDa protein comprising urothelial plaques, which fortify the urothelial barrier. It is a highly specific marker for tumors of urothelial origin, particularly urothelial carcinoma (UC). UPII messenger RNA has been detected in the tissue and blood of UC patients. Immunohistochemistry utilizing UPII antibodies, such as UPK2/13669R, exhibits high specificity and increased sensitivity for urothelial carcinoma compared to UPIII antibodies. 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

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Bladder Cancer, Cancer, Oncology

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.
