Recombinant Uroplakin II (UPK2) (Urothelial Differentiation Marker) Antibody

Rabbit Monoclonal Antibody [Clone UPK2/13348R]

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

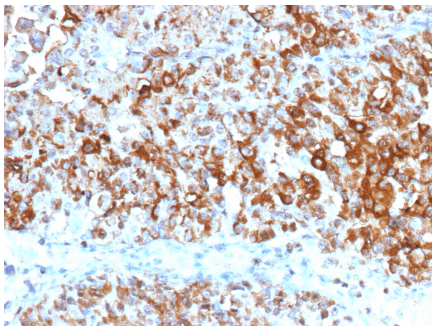
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

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.