

Mouse anti-Human Uroplakin 1A Monoclonal Antibody | anti-UPK1A antibody

Uroplakin 1A (Urothelial Differentiation Marker)

CATALOG # AAA214891	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

Uroplakin 1A; Monoclonal Antibody; Uroplakin 1A (Urothelial Differentiation Marker); UP1A; UPIA; UPKA; TSPAN21; anti-UPK1A antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	UPK1A/2925
Specificity	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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	273
Applicable Applications for anti-UPK1A antibody	IHC (Immunohistochemistry), ELISA
Positive Control	Urinary Bladder.
Immunogen	Recombinant fragment (around aa 114-173) of human Uroplakin 1A (UPK1A) protein (exact sequence is proprietary)
Cellular Localization	Cell Surface
Hu-chromosome Location	19q13.12
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using Uroplakin 1A Mouse Monoclonal Antibody (UPK1A/2925) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE

SDS-PAGE Analysis Purified Uroplakin 1A Mouse Monoclonal Antibody (UPK1A/2925). Confirmation of Purity and Integrity of Antibody.



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Urothelial Carcinoma stained with Uroplakin 1A Mouse Monoclonal Antibody (UPK1A/2925).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Urothelial Carcinoma stained with Uroplakin 1A Mouse Monoclonal Antibody (UPK1A/2925).

ADDITIONAL INFORMATION

References	Sun TT, et al. Adv Exp Med Biol. 1999;462:7-18; discussion 103
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NCBI AND UNIPROT INFORMATION

NCBI GI #	527498307
NCBI GeneID	11045
NCBI Accession #	NP_001268372.1
NCBI GenBank Nucleotide #	NP_001268372.1
UniProt Accession #	O00322
Molecular Weight	29kDa
NCBI Official Full Name	uroplakin-1a isoform 2
NCBI Official Synonym Full Names	uroplakin 1A
NCBI Official Symbol	UPK1A
NCBI Official Synonym Symbols	UP1A; UPIA; UPKA; TSPAN21
NCBI Protein Information	uroplakin-1a
UniProt Protein Name	Uroplakin-1a
UniProt Gene Name	UPK1A
UniProt Synonym Gene Names	TSPAN21; UP1a; Tspan-21; UPIa; UPKa
UniProt Entry Name	UPK1A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

