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36-2066: Anti-Uroplakin 1A (Urothelial Differentiation Marker) Monoclonal Antibody (Clone: UPK1A/2923)

Clonality: Monoclonal Clone Name: UPK1A/2923

Application: ELISA
Reactivity: Human
Gene: UPK1A
Gene ID: 11045
Uniprot ID: 000322

Alternative Name: UP1A; UPIA; UPKA; TSPAN21

Isotype: Mouse IgG2b, kappa

Immunogen Information: Recombinant fragment (around aa 114-173) of human Uroplakin 1A (UPK1A) protein (exact

sequence is proprietary)

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.

Product Info

Amount: 20 μg / 100 μg

Content: 200µg/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 1.0 mg/ml.

Storage condition : Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

is stable for 24 months.

Application Note

ELISA (For coating, order Ab without BSA);

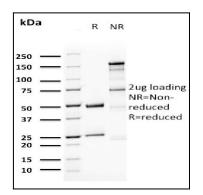


Fig.1: SDS-PAGE Analysis Purified Uroplakin 1A Mouse Monoclonal Antibody (UPK1A/2923). Confirmation of Purity and Integrity of Antibody.



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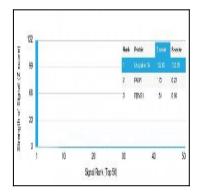


Fig. 2: Analysis of Protein Array containing more than 19,000 full-length human proteins using Uroplakin 1A Mouse Monoclonal Antibody (UPK1A/2923) Z- and S-Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-lgG secondary antibody) produces when binding to a particular protein on the HuProtTM 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 HuProtTM 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.