



Mouse anti Uroplakin-3 Monoclonal Antibody

Alternative Name(s): nan

Order Information

- **Description:** Uroplakin-3
- **Catalogue:** 603-950
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** ABM129
- **Application:** IHC(P), WB
- **Reactivity:** Hu

ANTIGEN PREPARATION

A synthetic peptide from C-term of human uroplakin-3 protein

BACKGROUND

Uroplakin-3 is a member of the uroplakin family, a group of transmembrane proteins that form complexes on the apical surface of the bladder epithelium. Urothelium is built with dimensional, asymmetric plaques, whose specific structure is crucial for tightness and elasticity of urothelium. Integral components of these plaques are uroplakins (UP). Several isoforms of UP are known in humans: UP1a, UP1b, UP2, UP3a, UP3b, and UP3c. Biased expression of UP3 was shown in prostate, urinary bladder and other tissues. Mutations in this gene may be associated with renal adysplasia. The urinary UPK3A levels are uniformly elevated in bladder cancer patients than in those of normal volunteers and patients with benign urological disorders. High expression level of preoperative serum Uroplakin III is associated with biologically aggressive bladder cancer.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human Uroplakin-3 protein. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20°C to -70°C . The antibodies can be stored at 2°C - 8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

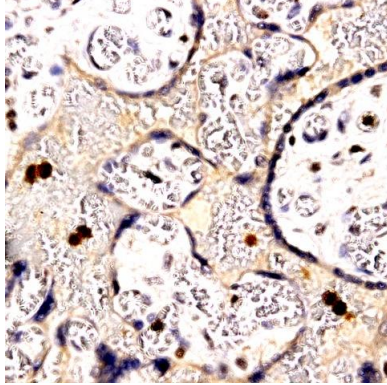
- Western Blot: 0.1-1 $\mu\text{g/ml}$
- ELISA: 0.01-0.1 $\mu\text{g/ml}$
- Immunoprecipitation: 2-5 $\mu\text{g/ml}$
- IHC: 2-10 $\mu\text{g/ml}$
- Flow cytometry: Not tested
- Molecular Weight: 30.6
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

AbboMax, Inc 2528 Qume Drive, Suite 8, San Jose, California 95131, USA
1 408-573-1898 (Tel). 1 408-573-1858 (Fax). www.abbomax.com info@abbomax.com

DATA ATTACHMENTS



Immunohistochemistry: Human placenta (FFPE) stained with Mouse anti- Uroplakin-3 (Cat# 603-950) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

Hideyasu Tsumura et al. Asian Pac J Cancer Prev 2015;16(4):1539-43

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