



Category: Monoclonal Antibodies **Cat. #** V7065-2 **Product Name:** Major Vault Protein (MVP)/Lung Resistance Protein (LRP) - Clone B451

Description:
Monoclonal Mouse Anti-Human MVP/LRP

Immunogen:
Affinity purified human nuclear extract proteins.

Application:
Immunohistochemistry 1:50-1:100; Western blotting 1:100-1:300.

Species Reactivity:
Human. Others not tested.

Recommended Positive Control:
Breast Carcinoma, Fibroadenoma.

Presentation:
20 mM tris-borate, 150 mM Sodium Chloride, dialyzed media RPMI 1640/D-MEM containing fetal bovine serum, BMC-6 carrier polysaccharides, carrier protein, and 0.05% Sodium Azide, pH 7.5.

Aliquoting Instructions:
Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4°C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies.

Staining Procedure:
This antibody can be used on frozen tissue sections. An antigen demasking treatment is recommended when using on formalin-fixed paraffin-embedded tissue sections. The optimal conditions should be determined by the individual laboratory.

Specificity:
This antibody detects a 104kD protein - the MVP/LRP protein. This protein can interact with the estrogen receptor. The protein's composition and structure are highly conserved and it is a part of a large vault ribonucleoprotein present in all eukaryotic cells. The protein differs from other ribonucleoproteins in its size, shape, and RNA and protein composition.

Storage:
Store at 2~8°C for short term, freeze under -20°C for long term storage.

Size: 0.2mg
Clone: U243 (1011)
Isotype: IgG1
Host: Mouse
Form: purified
Concentration: .5 mg/ml
Units On Hand: YES

References:
1. Abbondanza, C. et al, Interaction of vault particles with estrogen receptor in the MCF-7 breast cancer cell, J. Cell Biol. 141:1301-1310, 1998.
2. Den Boer, M.L. et al, Relationship between MVP/LRP, multidrug resistance-associated protein, P-glycoprotein expression, and drug resistance in childhood leukemia, Blood. 91:2092-2098, 1998.
3. Schroeijers, A.B. et al, Immunohistochemical detection of the human major vault protein LRP with two monoclonal antibodies in formalin-fixed, paraffin-embedded tissues, A. J. Pathol. 152(2):373-378, 1998.

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Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: Info@antageneinc.com