

Prostate Specific Acid Phosphatase (PSAP) Ab-1

Catalog # MS-321-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 200ug/ml)

Catalog # MS-321-R7 (7.0ml)

Catalog # MS-321-RQ (12.0ml)

Catalog # MS-321-PCS

Please note this data sheet has been changed effective June 8, 2011

INTENDED USE:

- **For In Vitro Diagnostic Use:** This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
- **Description:** Prostatic acid phosphatase (PSAP) is one of the two antigenic markers of prostatic carcinoma, the other being prostate specific antigen. It belongs to the kallikrein family of serine proteases and is suggested to act as a hydrolase to split phospharyl choline in semen and as a transferase.
- **Expected Staining Pattern:** Cytoplasmic
- **Positive Control:** Normal prostate or prostate CA

MATERIALS PROVIDED:

Prostate Specific Acid Phosphatase (PSAP) Ab-1 (refer to catalog number):

- #MS-321-P (or -P0, -P1): 200ug/ml of antibody purified from ascites. Prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide.
or
- #MS-321-R7: (7.0ml) of antibody prediluted in 0.05mol/L Tris-HCl, pH 7.6 containing stabilizing protein and 0.015mol/L sodium azide.
or
- #MS-321-RQ: (12.0ml) of antibody prediluted in 0.025mol/L Tris-HCl, pH 7.4 ±0.1 containing stabilizing protein and 0.015mol/L sodium azide.
or
- #MS-321-PCS: 5 positive control slides.
- **Antibody Concentration:** 200ug/ml
- **Host:** Mouse
- **Mol. Wt. of Antigen:** 52kDa
- **Epitope:** Not determined
- **Species Reactivity:** Human Does not react with Dog, Rabbit, and Rat. Others-not known.
- **Clone Designation:** PASE/4LJ
- **Ig Isotype / Light Chain:** IgG1
- **Immunogen:** Purified prostatic acid phosphatase (PSAP) from human seminal plasma
- **Microbiological State:** This product is not sterile.

MATERIALS REQUIRED, BUT NOT PROVIDED:

- **Antibody Diluent:** For concentrated antibodies, the antibody must be diluted before using. Use Lab Vision Antibody Diluent (catalog # TA-125-UD). Refer to diluent product instructions for use.
- **Negative Control Reagent:** Refer to the "General Protocol" instructions.
- **Visualization System:** Refer to the "General Protocol" instructions.

METHODS AND PROCEDURES:

Using UltraVision LP detection systems	
Specimen Preparation	Refer to the "General Protocol" instructions.
Dilution of Concentrated Antibody	1:3000 in antibody diluent
Tissue Section Pretreatment	No special pretreatment is required for immuno-histochemical staining of formalin-fixed tissues.
Primary Antibody Incubation Time	20 minutes at Room Temperature
Visualization	To detect antibody, follow the instructions provided with the visualization system.

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Using UltraVision Quanto detection systems	
Specimen Preparation	Refer to the "General Protocol" instructions.
Dilution of Concentrated Antibody	1:3000 in antibody diluent
Tissue Section Pretreatment	Staining of formalin-fixed tissue sections requires treating the tissue sections in boiling 1mM EDTA, pH 8.0, (NEOMARKERS' Cat. #AP-9004), for 10-20 min followed by cooling at RT for 20 min.
Primary Antibody Incubation Time	20 minutes at Room Temperature using UltraVision Quanto systems
Visualization	To detect antibody, follow the instructions provided with the visualization system.

STORAGE and STABILITY:

This product contains sodium azide and is stable for 24 months when stored at 2-8°C. Do not use after expiration date indicated on label of the product. If reagent is not stored as recommended, performance must be validated by the user.

REFERENCES:

- 1) Haines AM; et al. British Journal of Cancer, 1989, 60(6):887-92.
- 2) Haines AM; et al. Biochem Soc Trans, 1987, 15:1179.