VP Echelon™ Series
Catalog Number: VP 200R G, G25
Description: 6.0, 25.0 ml, prediluted
Dilution: N/A

Intended Use:
For Research Use Only. Not for use in diagnostic procedures.

Summary and Explanation:
P504S is an enzyme in the β-oxidation of branched-chain fatty acids. Expression of
P504S protein is found in prostatic adenocarcinoma but not in benign prostatic tissue.
It has also been found to stain premalignant lesions of the prostate: high-grade prostatic
intraepithelial neoplasia (PIN) and atypical adenomatous hyperplasia. P504S can be
used as a positive marker for PIN. It may be useful to confirm the diagnosis of small
foci of prostate carcinoma in needle biopsies. P504S stains the majority prostate
cancer, however, P504S has been shown to stain many other types of carcinoma such
as hepatoma, breast carcinoma, pancreatic islet tumor and desmoplastic small round
cell tumor (Miller and Tacha). HMW CK and p63 may serve as a useful panel.

Source: Rabbit polyclonal
Species Reactivity: Human; others not tested
Clone: N/A
Isotype: N/A
Total Protein Concentration: ~10 mg/ml
Epitope/Antigen: P504S
Cellular Localization: Granular and cytoplasmic
Positive Control: Prostate carcinoma
Normal Tissue: N/A
Abnormal Tissue: Prostate, cervical, breast and liver carcinomas
Known Applications: Immunohistochemistry (formalin-fixed paraffin-embedded tissues)
Supplied As: Buffer with protein carrier and preservative.

Storage and Stability:
Store at 2°C to 8°C. Do not use after expiration date printed on vial. If reagents are
stored under conditions other than those specified in the package insert, they must be
verified by the user.

Protocol Recommendations
Using VIEW™ Detection Kit
Pretreatment Solution (recommended): CC1
Pretreatment Protocol: Standard
Primary Antibody: Incubate for 32 minutes at 37°C.
Avidin-Biotin Block (Required): Incubate using Ventana's Endogenous Biotin
Blocking Kit.

Technical Note:
Biocare’s VP Echelon Series of predilutes have been developed for use with Ventana® Medical Systems, BenchMark® XT Immunohistochemistry Staining System in combination with Ventana® Detection Kits and Ventana® Prep Kit
Dispensers.

Performance Characteristics:
The optimum antibody dilution and protocols for a specific application can vary. These
include, but are not limited to: fixation, heat-retrieval method, incubation times, tissue
section thickness and detection kit used. Due to the superior sensitivity of these unique
reagents, the recommended incubation times listed are not applicable to other detection
systems, as results may vary. Ultimately, it is the responsibility of the investigator to
determine optimal conditions. These products are tools that can be used for
interpretation of morphological findings in conjunction with other diagnostic tests and
pertinent clinical data by a qualified pathologist.

Quality Control:

Precautions:
This antibody contains less than 0.1% sodium azide. Concentrations less than 0.1% are
not reportable hazardous materials according to U.S. 29 CFR 1910.1200, OSHA
Hazard communication and EC Directive 91/155/EC.

Sodium azide (NaN3) used as a preservative is toxic if ingested. Sodium azide may
react with lead and copper plumbing to form highly explosive metal azides. Upon
disposal, flush with large volumes of water to prevent azide build-up in plumbing.
(Center for Disease Control, 1976, National Institute of Occupational Safety and
Health, 1976)

Specimens, before and after fixation, and all materials exposed to them should be
handled as if capable of transmitting infection and disposed of with proper precautions.

There are no warranties, expressed or implied, which extend beyond this description.
Biocare is not liable for property damage, personal injury, or economic loss caused by
this product.

Troubleshooting:
Follow the antibody specific protocol recommendations according to data sheet
provided. If atypical results occur, contact Biocare's Technical Support at
1-800-542-2002.

Limitations and Warranty:
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Biocare is not liable for property damage, personal injury, or economic loss caused by
this product.

References:
1. Tacha DE, Miller RT. Use of p63/P504S monoclonal antibody cocktail in immuno-

histochemical staining of prostate tissue. Appl Immunohistochem Mol Morphol. 2004
Mar;12(1):75-8. Biocare Medical, Walnut Creek, California.
Atlanta, GA. April 30, 1976 "Decontamination of Laboratory Sink Drains to Remove
Azide Salts."
3. Clinical and Laboratory Standards Institute (CLSI). Protection of Laboratory
workers from occupationally Acquired Infections; Approved guideline-Third Edition
CLSI document M29-A3 Wayne, PA 2005

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