

**P504S-2X**

Prediluted Rabbit Polyclonal Antibody

Control Number: 903-365IP-110712

**Catalog Number:**  
**IP 365 G10****Description:**  
10 ml, prediluted**Note:**

Biocare protocols have been standardized using in-house antibodies, detection and accessory reagents for use on the intelliPATH automated stainer.

**Staining Procedure:**

Pre-optimized intelliPATH protocols with preset parameters can be displayed, printed and edited according to the procedure in the instrument's Operator's Manual. Refer to the Operator's Manual for additional instruction to navigate intelliPATH software and stainer. Use TBS for washing steps unless otherwise specified.

**Warranty:**

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.

**References:**

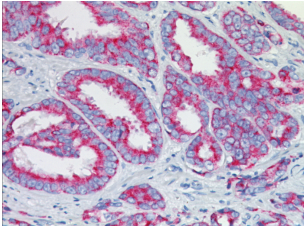
1. Tacha DE, Miller RT. Use of p63/P504S rabbit monoclonal antibody cocktail in immunohistochemical staining of prostate tissue. *Appl Immunohistochem Mol Morphol.* 2004 Mar;12(1):75-8. Biocare Medical, Walnut Creek, California.
2. Center for Disease Control Manual. Guide: Safety Management, NO. CDC-22, 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.

**Intended Use:**

Analyte Specific Reagent. Analytical and performance characteristics have not been established.

**Summary & Explanation:**

P504S is an enzyme in the  $\beta$ -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<sup>1</sup>. HMW CK and p63 may serve as a useful panel.



Prostate cancer stained with P504S-2X antibody.

**Clone:** N/A**Isotype:** N/A**Antibody Category:** Carcinoma**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. Diluted reagents should be used promptly; any remaining reagent should be stored at 2°C to 8°C.

