Intended Use:
Analyte Specific Reagent. Analytical and performance characteristics are not established.

Summary & Explanation:
P504S, also known as α-methylacyl coenzyme A racemase (AMACR), is a peroxisomal and mitochondrial enzyme that plays a role in bile acid synthesis and β-oxidation of branched chain fatty acids (1). P504S was initially identified from a cDNA library as a gene that is overexpressed in human prostate cancer; with little or no expression in normal prostate (2,3). In immunohistochemistry, P504S has been shown to be a specific marker of prostatic adenocarcinoma (2-5). Additionally, prostate glands involved in PIN have been found to express P504S, whereas P504S was nearly undetectable in benign glands (5,6).

Source: Rabbit polyclonal
Clone: N/A
Isotype: IgG

Known Applications:
Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

Supplied As:
Buffer with protein carrier and preservative

Storage and Stability:
Store at 2ºC to 8ºC. 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 2ºC to 8ºC.

Analyte Specific Reagent Note:
ACA/APA/IPA200 have been quality controlled by IHC using Biocare’s MACH 4 Universal HRP-Polymer Detection. AVA200 has been quality controlled by the following Ventana IHC methods: ultraView DAB Template with CC1 Standard and V-Blocker or OptiView DAB IHC Template with CC1. However, it is the responsibility of the laboratory or end-user to develop their own protocol and label appropriate disclaimer.

References:

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