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

Summary and 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). AMACR was initially identified from a cDNA library as a gene that is over-expressed in human prostate cancer; with little or no expression in normal or benign prostate glands (2-3). In immunohistochemistry, P504S has been shown to be a marker of prostatic adenocarcinoma (2-5). Additionally, prostate glands involved in prostatic intraepithelial neoplasia (PIN), have been found to express P504S; whereas P504S was nearly undetectable in benign glands. (5-6).

Source: Rabbit monoclonal
Clone: 13H4
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.

Analyze Specific Reagent Note:
The P504S antibody has been quality controlled by IHC using Ventana’s U IHC DS uDAB-uRed Template with ultraView AP Detection Kit and ULTRA CCI Standard. 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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