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<b>Catalog Number:</b>	MO47014	<b>Host:</b>	Mouse
<b>Product Type:</b>	Mouse Monoclonal IgG	<b>Species Reactivity:</b>	Human
<b>Immunogen Sequence:</b>	Recombinant Human p504s	<b>Format:</b>	Liquid with PBS buffer, pH 7.4 with 0.02% Sodium Azide

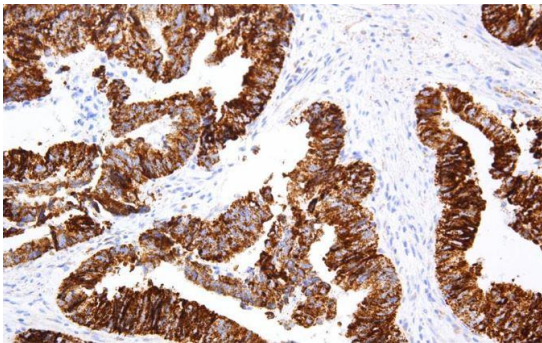
**Applications:** Immunohistochemistry: 1:1,000-3,000

Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.

**Storage:** The product can be stored undiluted for several weeks at 4°C. Dilute only immediately before use. Aliquot and store at -20°C long term. Avoid freeze thaw-cycles.

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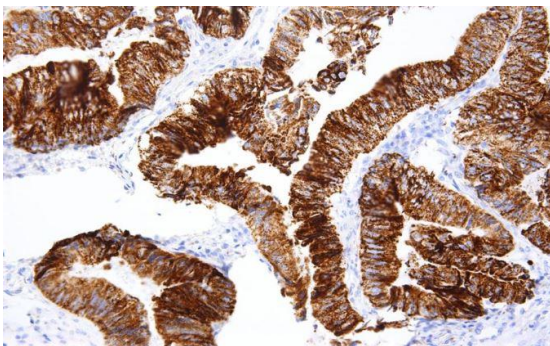
### Application Notes



**Description/Data:**

p504s Antibody detects for the presence or absence of p504s (also known as  $\alpha$ -methylacyl coenzyme A racemase (AMACR)) which is an enzyme localized in the peroxisome and mitochondria. It plays a role in  $\beta$ -oxidation of branched chain fatty acids and bile synthesis. p504s is a tissue biomarker for cancers such as prostate cancer, colorectal cancer, and high-grade prostatic intraepithelial neoplasia which is a precursor lesion of prostate cancer.

*Image: Immunohistochemistry staining of MO47012 on human colon tissue.*



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