

## AMACR / p504S (Clone 13H4)

### DESCRIPTION

|                                 |  |
|---------------------------------|--|
| <b>Species:</b>                 | Rabbit   |
| <b>Immunogen:</b>               | Recombinant full length human  |
| <b>AMACR protein Clone:</b>     | 13H4   |
| <b>Isotype:</b>                 | IgG  |
| <b>Entrez Gene ID:</b>          | 23600 (Human) Hu Chromosome Loc.: 5p13.3   |
| <b>Synonyms:</b>                | Alpha-methylacyl-CoA Racemase, CBAS4, Da1-8, Macr1, RACE, RM Mol. Weight of Antigen: 54kDa   |
| <b>Format:</b>                  | Culture Supernatant wit0.05% Azide.  |
| <b>Specificity:</b>             | This antibody recognizes a protein of 54kDa, which is identified as AMACR, also known as p504S.  |
| <b>Background:</b>              | AMACR is an enzyme that is involved in bile acid biosynthesis and $\beta$ -oxidation of branched- chain fatty acids. AMACR is expressed in cells of premalignant high-grade prostatic intraepithelial neoplasia (HGPIN) and prostate adenocarcinoma. The majority of the carcinoma cells show a distinct granular cytoplasmic staining reaction. AMACR is present at low or undetectable levels in glandular epithelial cells of normal prostate and benign prostatic hyperplasia. A spotty granular cytoplasmic staining is seen in a few cells of the benign glands. |
| <b>Species Reactivity:</b>      | Human. Others not known.   |
| <b>Positive Control:</b>        | HEK cells or Prostate Adenocarcinoma. Cellular Localization: Cytoplasmic   |
| <b>Titer/ Working Dilution:</b> | Immunohistochemistry (Frozen and Formalin-fixed): 1:50-1:100<br>Western Blotting: 1:100-1:200  |
| <b>Microbiological State:</b>   | This product is not sterile.   |