

## Mouse anti-Human AMACR/P504S Monoclonal Antibody | anti-AMACR/P504S antibody

AMACR/P504S Mouse Monoclonal Antibody

|                               |                      |                            |                                                           |
|-------------------------------|----------------------|----------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA300730</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|----------------------|----------------------------|-----------------------------------------------------------|

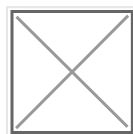
### PRODUCT SYNONYMS

AMACR/P504S; Monoclonal Antibody; AMACR/P504S Mouse Monoclonal Antibody; 2-methylacyl-CoA racemase; Alpha-methylacyl-CoA racemase; AMACR; CBAS4; RACE; anti-AMACR/P504S antibody

### PRODUCT SPECIFICATIONS

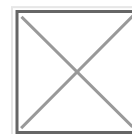
|                                                       |                                                                                                                                                    |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                  | Mouse                                                                                                                                              |
| Reactivity                                            | Human                                                                                                                                              |
| Clonality                                             | Monoclonal                                                                                                                                         |
| Clone Number                                          | 4A12                                                                                                                                               |
| Specificity                                           | AMACR/P504S Mouse Monoclonal antibody detects endogenous AMCAR/P504S proteins.                                                                     |
| Purity/Purification                                   | Affinity purification using immunogen.                                                                                                             |
| Form/Format                                           | Mouse IgG1 in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                         | 1.0 mg/ml (varies by lot)                                                                                                                          |
| Sequence Length                                       | 394                                                                                                                                                |
| Applicable Applications for anti-AMACR/P504S antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                      |
| Target Name                                           | AMACR/P504S                                                                                                                                        |
| Preparation and Storage                               | Store at -20 degree C                                                                                                                              |

### IMAGES



**IHC (Immunohistochemistry)**

IHC staining of mouse prostate adenocarcinoma tissue with AMACR/P504S mouse mAb(4A12) diluted at 1:200.



**WB (Western Blot)**

Western blot analysis of HepG2 cell lysate (lane 1) and mouse kidney (lane 2), using diluted at 1:1,000.

### ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-AMACR/P504S antibody | AMACR has been recently described as prostate cancer-specific gene that encodes a protein involved in the beta-oxidation of branched chain fatty acids. Expression of AMACR protein is found in prostatic adenocarcinoma but not in benign prostatic tissue. It stains premalignant lesions of prostate: high-grade prostatic intraepithelial neoplasia (PIN) and atypical adenomatous hyperplasia. |
| Product Categories/Family for anti-AMACR/P504S antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| NCBI GI #                        | 266456254                                                              |
| NCBI GeneID                      | 23600                                                                  |
| NCBI Accession #                 | NP_001161067.1                                                         |
| NCBI GenBank Nucleotide #        | NM_001167595.1                                                         |
| UniProt Accession #              | Q9UHK6; O43673; Q3KT79; Q96GH1; Q9Y3Q1; A5YM47; B8Y916; B8Y918; F8W9N1 |
| Molecular Weight                 | 43,860 Da                                                              |
| NCBI Official Full Name          | alpha-methylacyl-CoA racemase isoform 3                                |
| NCBI Official Synonym Full Names | alpha-methylacyl-CoA racemase                                          |
| NCBI Official Symbol             | AMACR                                                                  |
| NCBI Official Synonym Symbols    | RM; RACE; CBAS4; AMACRD                                                |
| NCBI Protein Information         | alpha-methylacyl-CoA racemase                                          |
| UniProt Protein Name             | Alpha-methylacyl-CoA racemase                                          |
| UniProt Gene Name                | AMACR                                                                  |
| UniProt Entry Name               | AMACR_HUMAN                                                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/amacr-p504s-antibody-clone-4a12-immunohistochemistry-western-blot-elisa/300730>