

ARG67088
anti-AMACR / p504S antibody [SQab30349]Package: 100 µl
Store at: -20°C

Summary

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| Product Description | Recombinant Mouse Monoclonal antibody [SQab30349] recognizes AMACR / p504S |
| Tested Reactivity | Hu |
| Tested Application | IHC-P |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | SQab30349 |
| Isotype | IgG |
| Target Name | AMACR / p504S |
| Species | Human |
| Immunogen | Synthetic peptide of AMACR / p504S. |
| Conjugation | Un-conjugated |
| Alternate Names | AMACR; Alpha-Methylacyl-CoA Racemase; P504S; RACE; 2-Methylacyl-CoA Racemase; EC 5.1.99.4; AMACRD; CBAS4; RM |

Application Instructions

| | | |
|-------------------|--|-------------|
| Application table | Application | Dilution |
| | IHC-P | 1:100-1:200 |
| Application Note | IHC-P: Antigen Retrieval: Heat mediation was performed in Tris/EDTA buffer (pH 9.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |
| Positive Control | Prostate cancer. | |

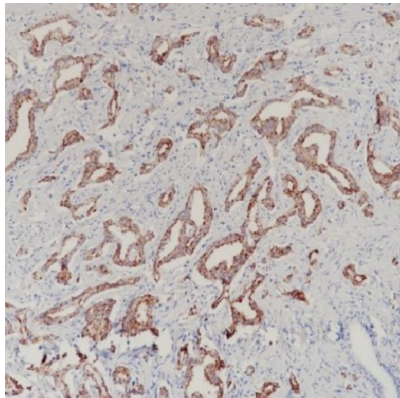
Properties

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|---------------------|---|
| Form | Liquid |
| Purification | Purification with Protein A. |
| Buffer | PBS, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA. |
| Preservative | 0.01% Sodium azide |
| Stabilizer | 40% Glycerol and 0.05% BSA |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

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|-----------------------|--|
| Gene Symbol | AMACR |
| Gene Full Name | Alpha-Methylacyl-CoA Racemase |
| Background | This gene encodes a racemase. The encoded enzyme interconverts pristanoyl-CoA and C27-bile acylCoAs between their (R)- and (S)-stereoisomers. The conversion to the (S)-stereoisomers is necessary for degradation of these substrates by peroxisomal beta-oxidation. Encoded proteins from this locus localize to both mitochondria and peroxisomes. Mutations in this gene may be associated with adult-onset sensorimotor neuropathy, pigmentary retinopathy, and adrenomyeloneuropathy due to defects in bile acid synthesis. Alternatively spliced transcript variants have been described. Read-through transcription also exists between this gene and the upstream neighboring C1QTNF3 (C1q and tumor necrosis factor related protein 3) gene. |
| Function | Acts only on coenzyme A thioesters, not on free fatty acids, and accepts as substrates a wide range of alpha-methylacyl-CoAs, including pristanoyl-CoA, trihydroxycoprostanoyl-CoA (an intermediate in bile acid synthesis), and arylpropionic acids like the anti-inflammatory drug ibuprofen (2-(4-isobutylphenyl)propionic acid) but neither 3-methyl-branched nor linear-chain acyl-CoAs. |
| Calculated Mw | 42 kDa |
| PTM | Acetylation |
| Cellular Localization | Mitochondrion, Peroxisome |

Images



ARG67088 anti-AMACR / p504S antibody [SQab30349] IHC-P image

Immunohistochemistry: Human Prostate cancer stained with ARG67088 anti-AMACR / p504S antibody [SQab30349].