

## P504S Monoclonal Antibody

### Description

|                                |  |
|--------------------------------|--|
| <b>Product type</b>            | Primary Antibody   |
| <b>Code</b>                    | BT-MCA0975   |
| <b>Host</b>                    | Mouse  |
| <b>Isotype</b>                 | IgG  |
| <b>Size</b>                    | 50ul, 100ul  |
| <b>Immunogen</b>               | Purified recombinant human P504S (C-terminus) protein fragments expressed in E.coli. |
| <b>Mol wt</b>                  | N/A  |
| <b>Species reactivity</b>      | Human,Mouse,Rat  |
| <b>Clonality</b>               | Monoclonal   |
| <b>Recommended application</b> | WB, IF, ICC  |
| <b>Concentration</b>           | 1 mg/ml  |
| <b>Full name</b>               | Alpha-methylacyl-CoA racemase  |
| <b>Synonyms</b>                | AMACR; Alpha-methylacyl-CoA racemase; 2-methylacyl-CoA racemase                      |

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### 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.

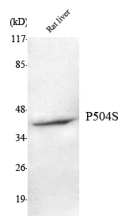
### Recommended Dilution

IF: 1:100 - 1:500

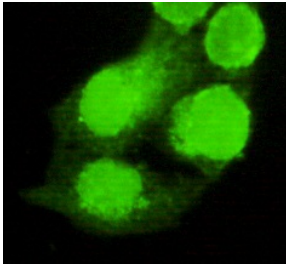
WB: 1:1000 - 1:2000

Not yet tested in other applications.

### Images



Western Blot analysis using P504S Monoclonal antibody against rat liver lysate.



Immunofluorescence analysis of HeLa cells using P504S Monoclonal antibody.

### Storage

-20°C for one year

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