

## AMACR (C-terminus) monoclonal antibody

Catalog: MB0099

Host: Mouse

Reactivity: Rat

### BackGround:

P504S, also known as AMACR (α-methylacyl-CoA racemase), 2-methylacyl-CoA racemase or RACE, is an enzyme belonging to the caiB/baiF CoA-transferase family. Localizing to the peroxisome and mitochondrion, P504S plays a role in the metabolism of branched-chain fatty acids and bile acid intermediates. More specifically, P504S catalyzes the conversion of pristanoyl-CoA and C27-bile acyl-CoAs to their (S)-stereoisomers which can then be degraded by peroxisomal β-oxidation. Mutations in the gene encoding P504S can lead to AMACR deficiency, a disease characterized by increased concentrations of pristanic acid that is associated with adult onset sensory motor neuropathy.

### Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

Predicted band size:42KDa

Observed band size:42KDa

### Swiss-Prot:

Q9UHK6

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:1000

ICC: 1:50~200

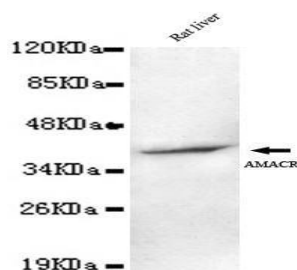
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

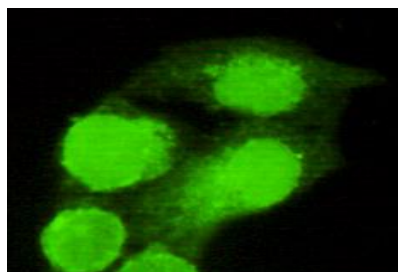
### Specificity:

This antibody detects endogenous levels of AMACR and does not cross-react with related proteins

### DATA:



Western blot detection of AMACR (C-terminus) antibody in Rat Liver lysates using AMACR (C-terminus) antibody (1:1000 diluted).



### Note:

For research use only, not for use in diagnostic procedure.

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