

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:

Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

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

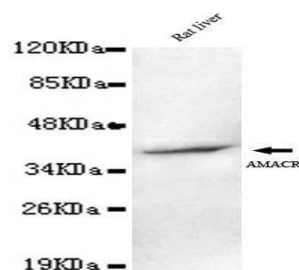
Storage&Stability:

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

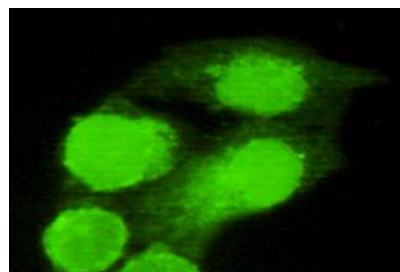
Specificity:

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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