

AMACR (C-terminus) Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52720**Specification**

AMACR (C-terminus) Antibody - Product Information

Application	WB, ICC
Primary Accession	O9UHK6
Reactivity	Rat
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	42 KDa

AMACR (C-terminus) Antibody - Additional Information**Gene ID** 23600**Other Names**

2 arylpropionyl CoA epimerase;2 methylacyl CoA racemase;2-methylacyl-CoA racemase;Alpha methylacyl CoA racemase;Alpha methylacyl Coenzyme A racemase;Alpha methylacyl-CoA racemase deficiency, included;Alpha-methylacyl-CoA racemase;Amacr;AMACR deficiency, included;AMACR_HUMAN;CBAS4;Da1-8;EC 5.1.99.4;Macr 1;Macr1;Methylacyl CoA racemase alpha;P504S;RACE;RM.

Dilution

WB~~1:1000

ICC~~1:100

Format

Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.09% (W/V) sodium azide, 50%,glycerol

Storage

Store at -20 °C.Stable for 12 months from date of receipt

AMACR (C-terminus) Antibody - Protein Information**Name** AMACR**Function**

Catalyzes the interconversion of (R)- and (S)-stereoisomers of alpha-methyl-branched-chain fatty acyl-CoA esters (PubMed:10655068, PubMed:11060359, PubMed:7649182). 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 (PubMed:10655068, PubMed:11060359, PubMed:7649182).

Cellular Location

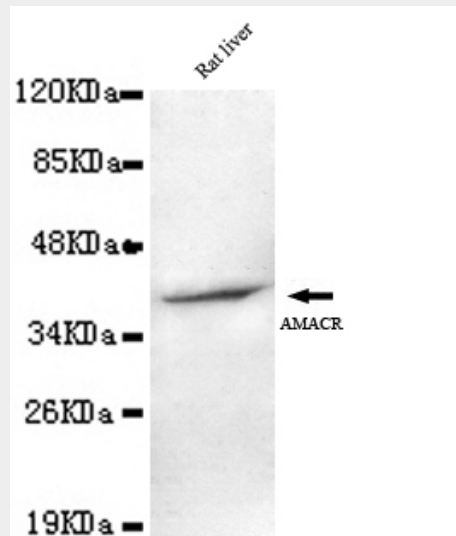
Peroxisome. Mitochondrion

AMACR (C-terminus) Antibody - Protocols

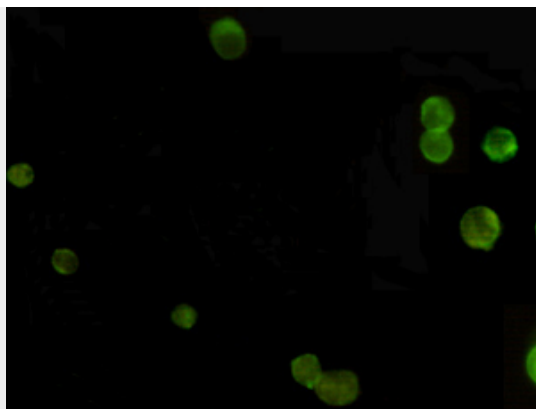
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

AMACR (C-terminus) Antibody - Images



Western blot detection of AMACR(C-terminus) in Rat Liver lysates using AMACR(C-terminus) mouse mAb (1:1000 diluted). Predicted band size: 42KDa. Observed band size: 42KDa.



Immunocytochemistry staining of Jurkat cells fixed with -20°C Ethanol and using anti-AMACR (C-terminus) mouse mAb (dilution 1:100).

AMACR (C-terminus) Antibody - Background

Racemization of 2-methyl-branched fatty acid CoA esters. Responsible for the conversion of pristanoyl-CoA and C27-bile acyl-CoAs to their (S)-stereoisomers.

AMACR (C-terminus) Antibody - References

- Amery L.,et al.J. Lipid Res. 41:1752-1759(2000).
- Ferdinandusse S.,et al.Nat. Genet. 24:188-191(2000).
- Mubiru J.N.,et al.Prostate 65:117-123(2005).
- Albers C.,et al.Submitted (JAN-1999) to the EMBL/GenBank/DDBJ databases.
- Ouyang B.,et al.Submitted (NOV-2008) to the EMBL/GenBank/DDBJ databases.