

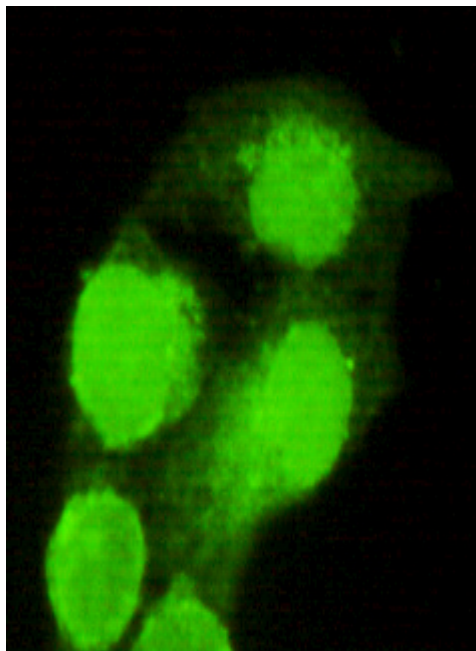


AMACR (C-terminus) Antibody

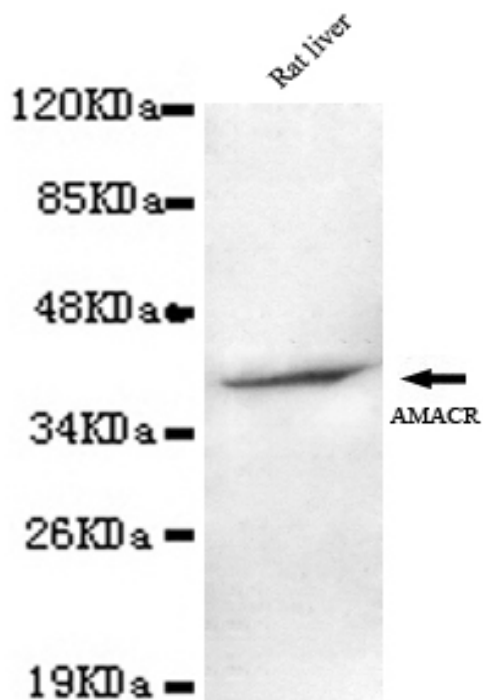
E2200537

Catalog Number:	E2200537
Size:	100ug
Host:	Mouse
Formulation:	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol
Sensitivity:	This antibody detects endogenous levels AMACR(C-terminus) and does not cross-react with related proteins.
Entrez summary:	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.
UniPort summary	Racemization of 2-methyl-branched fatty acid CoA esters. Responsible for the conversion
Function:	of pristanoyl-CoA and C27-bile acyl-CoAs to their (S)-stereoisomers
Immunogen:	Purified recombinant human AMACR(C-terminus) protein fragments expressed in E.coli.
Antibody Type:	Monoclonal antibody
Isotype:	IgG1
Purified method:	Affinity purified
Subcellular location:	Peroxisome. Mitochondrion.
Reactivity:	R
Applications:	WB, ICC
Molecular Weight:	42kDa
UniProt number:	Q9UHK6
GeneBank ID:	NM_014324
Gene symbol:	RM; RACE; CBAS4; AMACRD
Alternate names:	RM; RACE; CBAS4; AMACRD

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Immunocytochemistry of HeLa cells using anti- AMACR (C-terminus) antibody diluted 1:150



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