

Mouse anti-Rat AMACR Monoclonal Antibody | anti-AMACR antibody

AMACR Antibody

CATALOG # AAA111285	HOST Mouse	REACTIVITY Rat	APPLICATIONS Immunocytochemistry, Western Blot
-------------------------------	----------------------	--------------------------	--

PRODUCT SYNONYMS

AMACR; Monoclonal Antibody; AMACR Antibody; RM; RACE; CBAS4; AMACRD; anti-AMACR antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Rat
Clonality	Monoclonal
Isotype	IgG1
Specificity	This antibody detects endogenous levels AMACR(C-terminus) and does not cross-react with related proteins.
Purity/Purification	Affinity purified
Form/Format	Purified in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%, glycerol
Sequence Length	394
Applicable Applications for anti-AMACR antibody	ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	Purified recombinant human AMACR(C-terminus) protein fragments expressed in E Coli.
Cellular Localization	Peroxisome; Mitochondrion

IMAGES



Application Data

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



Application Data

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

ADDITIONAL INFORMATION

Related Product Information for anti-AMACR antibody	UniPort Summary Function: 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 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.
Product Categories/Family for anti-AMACR antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	266456254
NCBI GeneID	23600
NCBI Accession #	NP_001161067.1
NCBI GenBank Nucleotide #	NM_014324
UniProt Accession #	Q9UHK6; O43673; Q3KT79; Q96GH1; Q9Y3Q1; A5YM47; B8Y916; B8Y918; F8W9N1
Molecular Weight	42kDa
NCBI Official Full Name	alpha-methylacyl-CoA racemase isoform 3
NCBI Official Synonym Full Names	alpha-methylacyl-CoA racemase
NCBI Official Symbol	AMACR
NCBI Official Synonym Symbols	RM; RACE; CBAS4; P504S; AMACRD
NCBI Protein Information	alpha-methylacyl-CoA racemase
UniProt Protein Name	Alpha-methylacyl-CoA racemase
UniProt Gene Name	AMACR

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/amacr-antibody-immunocytochemistry-western-blot-elisa/111285>