

## Product overview

product name	AMACR mouse Monoclonal Antibody(4A12)
catalog No.	ATA24567
Category	Primary antibodies
Host	Mouse
Species specificity	Human,Mouse,Rat
Tested applications	WB,IF,IHC-p
Clonality	Monoclonal
Conjugation	Unconjugated
Immunogen	Synthetic Peptide of AMACR

## Product performance

Form	Liquid
Buffer	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	-20°C/1 year
Purity	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.

## Dilution range

WB: 1:1000 IHC: 1:200 IF 1:200

## Product background

alpha-methylacyl-CoA racemase(AMACR) Homo sapiens 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. Read-through transcription also exists between this gene and the upstream neighboring C1QTNF3 (C1q and tumor necrosis factor related protein 3) gene. [provided by RefSeq, Mar 2011],