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anti-AMACR antibody (C-Term)





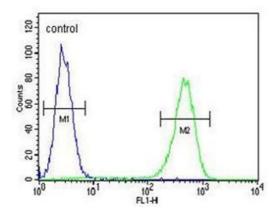
Overview

Quantity:	0.4 mL
Target:	AMACR
Binding Specificity:	AA 330-359, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AMACR antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)
Product Details	
Immunogen:	KLH conjugated synthetic peptide between 330-359 amino acids from the C-terminal region of human AMACR
Isotype:	lg Fraction
Specificity:	This antibody reacts to AMACR.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A
Target Details	
Target:	AMACR

Target Details

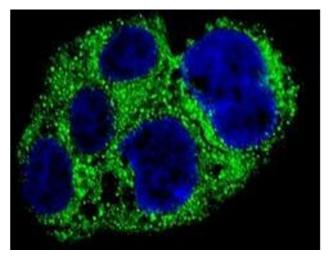
Alternative Name:	AMACR / RACE (AMACR Products)
Background:	This gene encodes a racemase. The encoded enzyme interconverts pristanoyl-CoA and C27-
	bile acylCoAs between their (R)- and (S)-stereoisomers. The conversion to the (S)-
	stereoisomers is necessary for degradation of these substrates by peroxisomal 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. Synonyms: 2-methylacyl-CoA racemase, Alpha-
	methylacyl-CoA racemase, P504S
Gene ID:	23600
NCBI Accession:	NP_055139
Pathways:	Monocarboxylic Acid Catabolic Process
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) sodium azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

MDA-MB231



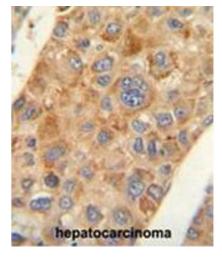
Flow Cytometry

Image 1. AMACR Antibody (C-term) flow cytometric analysis of MDA-MB231 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of AMACR Antibody (C-term) with HepG2 cell followed by Alexa Fluor® 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. AMACR antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the AMACR antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Please check the product details page for more images. Overall 4 images are available for ABIN950388.