

Rabbit anti-Human AMACR Polyclonal Antibody | anti-AMACR antibody

AMACR Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288758	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

AMACR; Polyclonal Antibody; AMACR Antibody (C-term); Alpha-methylacyl-CoA racemase; 2-methylacyl-CoA racemase; anti-AMACR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This AMACR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 323-351 amino acids from the C-terminal region of human AMACR.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	323-351
Sequence Length	394
Applicable Applications for anti-AMACR antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

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).



FCM/FACS (Flow Cytometry)

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.



IHC (Immunohistochemistry)

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.



WB (Western Blot)

AMACR Antibody (C-term) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the AMACR antibody detected the AMACR protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-AMACR antibody	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	Cancer ; Cell Biology ; Metabolism ; Signal transduction
References	Murray, N.P., et al. Oncol. Rep. 24(3):687-692(2010) Sonwalkar, S.A., et al. Histopathology 56(7):900-907(2010) Lakis, S., et al. World J. Gastroenterol. 16(20):2476-2483(2010) Chen, W., et al. Mol. Biol. Rep. 36(3):423-430(2009) Mubiru, J.N., et al. Gene 327(1):89-98(2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	266456254
NCBI GeneID	23600
NCBI Accession #	NP_001161067.1 ; NP_055139.4 ; NP_976316.1
NCBI GenBank Nucleotide #	NM_001167595.1
UniProt Accession #	Q9UHK6 ; O43673 ; Q3KT79 ; Q96GH1 ; Q9Y3Q1 ; A5YM47 ; B8Y916 ; B8Y918 ; F8W9N1
Molecular Weight	42387
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; AMACRD
NCBI Protein Information	alpha-methylacyl-CoA racemase
UniProt Protein Name	Alpha-methylacyl-CoA racemase
UniProt Gene Name	AMACR
UniProt Entry Name	AMACR_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/amacr-antibody-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/288758>