

Rabbit anti-Mouse, Rat AMACR Polyclonal Antibody | anti-AMACR antibody

AMACR Polyclonal Antibody

CATALOG # AAA177927	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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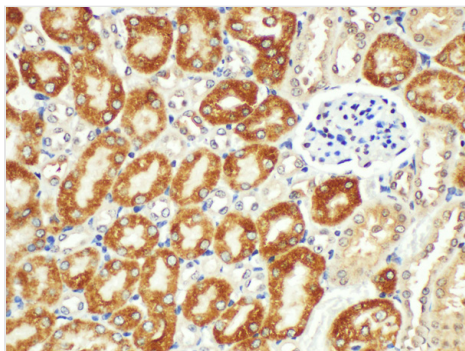
PRODUCT SYNONYMS

AMACR; Polyclonal Antibody; AMACR Polyclonal Antibody; 2 methylacyl CoA racemase; 2-methylacyl-CoA racemase; Alpha methylacyl CoA racemase; Alpha-methylacyl-CoA racemase; Amacr; AMACRD; Macr1; RACE; RM; anti-AMACR antibody

PRODUCT SPECIFICATIONS

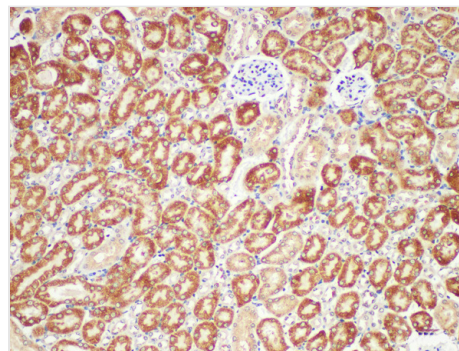
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	PBS with 0.05% Proclin300, 50% glycerol, pH7.3.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-AMACR antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant Mouse Alpha-methylacyl-CoA racemase protein
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



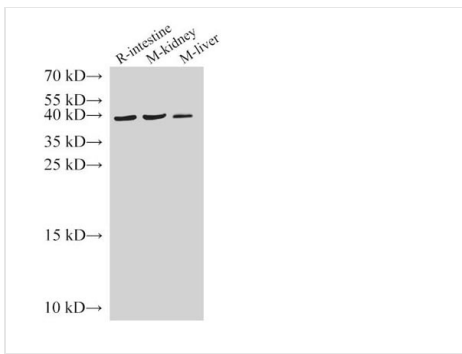
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Mouse kidney using AMACR Polyclonal Antibody at dilution of 1:200.



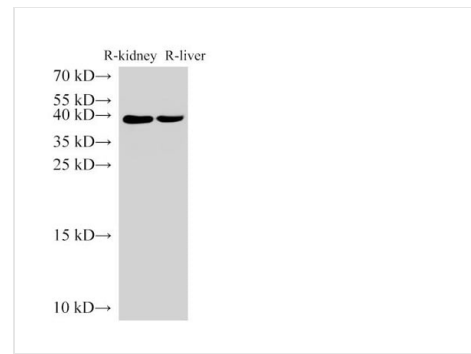
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Mouse kidney using AMACR Polyclonal Antibody at dilution of 1:200.



WB (Western Blot)

Western Blot analysis of Rat intestine, Mouse kidney and Mouse liver using AMACR Polyclonal Antibody at dilution of 1:1000.



WB (Western Blot)

Western Blot analysis of Rat kidney and Rat liver using AMACR Polyclonal Antibody at dilution of 1:3000.

ADDITIONAL INFORMATION

Related Product Information for anti-AMACR antibody

AMACR(Alpha-methylacyl-CoA racemase) belongs to the CaiB/BaiF CoA-transferase family. It is a mitochondrial and peroxisomal enzyme that catalyzes the conversion of 2R stereoisomers of phytanic and pristanic acid to their S counterparts. AMACR has previously been shown to be a highly sensitive marker for colorectal and clinically localized prostate cancer (PCa). However, AMACR expression is down-regulated at the transcript and protein level in hormone-refractory metastatic PCa, suggesting a hormone-dependent expression of AMACR. It has 3 isoforms produced by alternative splicing. Defects in AMACR are the cause of alpha-methylacyl-CoA racemase deficiency (AMACRD) and congenital bile acid synthesis defect type 4 (CBAS4).

Product Categories/Family for anti-AMACR antibody

[Cell Biology](#); [Metabolism](#); [Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	46518506
NCBI GeneID	17117
NCBI Accession #	NP_032563.2
NCBI GenBank Nucleotide #	NM_008537.4
UniProt Accession #	O09174 ; Q543Q9 ; Q9DCW6
Molecular Weight	41,704 Da
NCBI Official Full Name	alpha-methylacyl-CoA racemase
NCBI Official Synonym Full Names	alpha-methylacyl-CoA racemase
NCBI Official Symbol	Amacr
NCBI Official Synonym Symbols	Macr1
NCBI Protein Information	alpha-methylacyl-CoA racemase; 2-methylacyl-CoA racemase; 2-arylpropionyl-CoA epimerase; alpha-methylacyl-Coenzyme A racemase
UniProt Protein Name	Alpha-methylacyl-CoA racemase
UniProt Gene Name	Amacr
UniProt Synonym Gene Names	Macr1
UniProt Entry Name	AMACR_MOUSE

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.

