

AMACR Polyclonal Antibody

Catalog Number:D-AB-10240L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

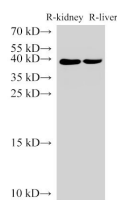
Description

Reactivity	Human
Immunogen	Recombinant Mouse Amacr protein expressed by E.coli
Host	Rabbit
Isotype	IgG
Purification	Antigen Affinity Purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 50% glycerol pH 7.4

Applications Recommended Dilution

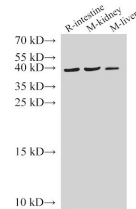
WB	1:1000-1:3000
IHC	1:150-1:300

Data

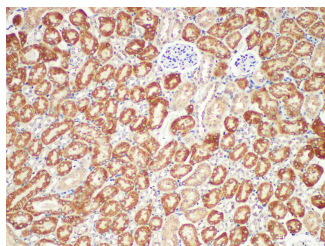


Western Blot analysis of Rat kidney and Rat liver using AMACR Polyclonal Antibody at dilution of 1:3000.

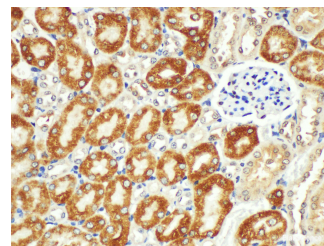
Observed Mw:40 kDa
Calculated Mw:42 kDa



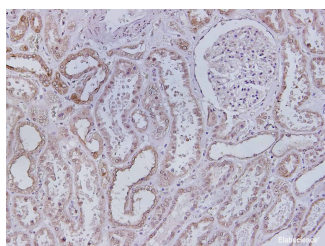
Western Blot analysis of Rat intestine, Mouse kidney and Mouse liver using AMACR Polyclonal Antibody at dilution of 1:1000.



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



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



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AMACR Polyclonal Antibody

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Immunohistochemistry of paraffin-embedded
Human kidney using Amacr Polyclonal Antibody at
dilution of 1:300

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

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).

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