

A Reliable Research Partner in Life Science and Medicine

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 lgG

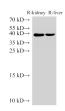
Purification Antigen Affinity Purification

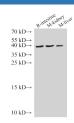
PBS with 0.05% Proclin300, 1% protective protein and 50% glycerol, pH7.4 Buffer

Applications Recommended Dilution

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

Data



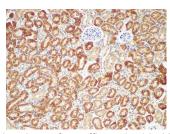


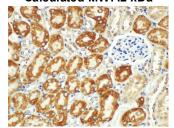
Western Blot analysis of Rat kidney and Rat liver using AMACR Polyclonal Antibody at dilution of 1:3000.

> 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.

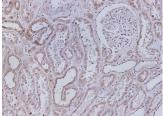
> Observed-MW:40 kDa Calculated-MW:42 kDa





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

using AMACR Polycloanl Antibody at dilution of 1:200.



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

Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

For Research Use Only

Toll-free: 1-888-852-8623 Fax: 1-832-243-6017 Tel: 1-832-243-6086 Web: www.elabscience.com



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Shipping

The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

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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