

## AMACR Polyclonal Antibody

catalog number: **D-AB-10240L**

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

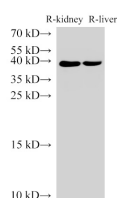
### Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant Mouse Amacr protein expressed by E.coli
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Antigen Affinity Purification
<b>Buffer</b>	PBS with 0.05% Proclin300, 1% protective protein and 50% glycerol, pH7.4

### Applications

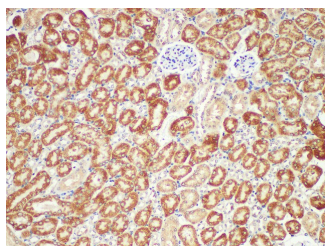
<b>WB</b>	1:1000-1:3000
<b>IHC</b>	1:150-1:300

### Data

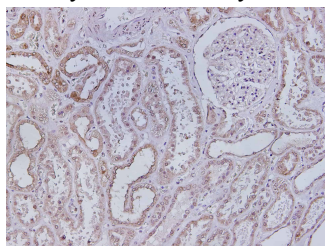


Western Blot analysis of Rat kidney and Rat liver using AMACR Polyclonal Antibody at dilution of 1:3000.

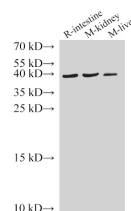
**Observed-MW:40 kDa**  
**Calculated-MW:42 kDa**



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

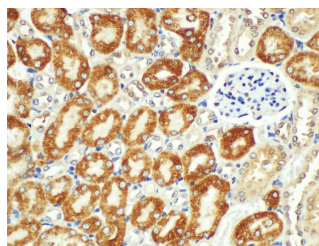


Immunohistochemistry of paraffin-embedded Human kidney using AMACR Polyclonal Antibody at dilution of 1:300



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 using AMACR Polyclonal Antibody at dilution of 1:200.

### Preparation & Storage

### For Research Use Only

Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V2.1

**Storage**

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

**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).