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
buffer	PBS with 0.05% proclin 300, 1% protective protein and 50% glycerol,pH7.4

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-MV:40 kDa

Calculated-MV:42 kDa

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

Observed-MV:40 kDa

Calculated-MV:42 kDa

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

Immunohistochemistry of paraffin-embedded Mouse kidney 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.
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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