

AMACR (ABT-AMACR) Mouse mAb

CatalogNo: YM4910 **Recombinant** 

Key Features

Host Species

- Mouse

Reactivity

- Human

Applications

- IHC,WB,IF,ELISA

MW

- 42kD (Calculated)
- 42kD (Observed)

Isotype

- IgG1,Kappa

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Recommended Dilution Ratios

IHC 1:100-500**WB 1:500-2000****IF 1:100-500****ELISA 1:1000-5000**

Basic Information

Clonality Monoclonal**Clone Number** ABT-AMACR

Immunogen Information

Immunogen Synthesized peptide derived from human AMACR AA range: 300-382**Specificity** The antibody can specifically recognize human AMACR protein. In western blotting of HeLa and LnCap cell lysates, the antibody can label a 42 kDa band corresponding to AMACR.

Target Information

Gene name AMACR

Protein Name AMACR

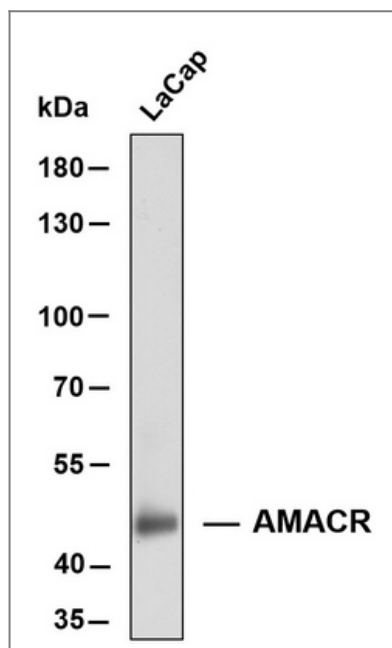
Organism	Gene ID	UniProt ID
Human	23600 ;	Q9UHK6 ;

Cellular Localization Cytoplasmic

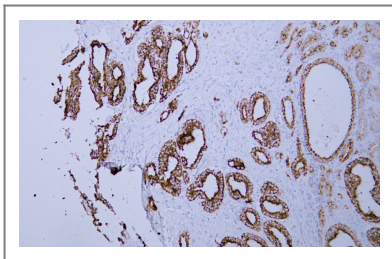
Tissue specificity Aorta,Brain,Cerebellum,Kidney,Liver,PCR rescued clones,Prostate cancer,Sali

Function Catalytic activity:(2S)-2-methylacyl-CoA = (2R)-2-methylacyl-CoA.,Disease:Defects in AMACR are the cause of alpha-methylacyl-CoA racemase deficiency (AMACRD) [MIM:604489]. AMACRD results in elevated plasma concentrations of pristanic acid C27-bile-acid intermediates. It can be associated with polyneuropathy, retinitis pigmentosa, epilepsy.,Disease:Defects in AMACR are the cause of congenital bile acid synthesis defect type 4 (CBAS4) [MIM:214950]; also known as cholestasis, intrahepatic, with defective conversion of trihydroxycoprostanic acid to cholic acid or trihydroxycoprostanic acid in bile. Clinical features include neonatal jaundice, intrahepatic cholestasis, bile duct deficiency and absence of cholic acid from bile.,Function:Racemization of 2-methyl-branched fatty acid CoA esters. Responsible for the conversion of pristanoyl-CoA and C27-bile acyl-CoAs to their (S)-stereoisomers.,pathway:Lipid metabolism; bile acid biosynthesis.,pathway:Lipid metabolism; fatty acid metabolism.,similarity:Belongs to the caiB/baiF CoA-transferase family.,similarity:Contains 1 C1q domain.,similarity:Contains 1 collagen-like domain.,

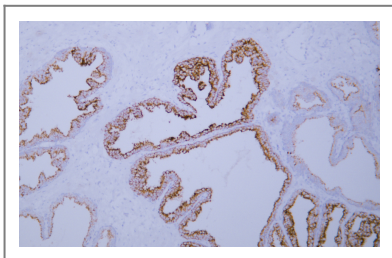
Validation Data



Whole cell lysates of LnCap were separated by 8% SDS-PAGE, and the membrane was blotted with anti-AMACR antibody. The HRP-conjugated anti-Mouse IgG antibody was used to detect the antibody.



Human prostate adenocarcinoma tissue was stained with anti-AMACR (ABT-AMACR) antibody.



Human prostate adenocarcinoma tissue was stained with anti-AMACR (ABT-AMACR) antibody.

Contact information

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Please scan the QR code to access additional product information:
AMACR (ABT-AMACR) Mouse mAb

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