

AMACR (ABT-AMACR) IHC kit

CatalogNo: IHCM6658

Key Features

Host Species

- Mouse

Reactivity

- Human,

Applications

- IHC

Isotype

- IgG1,Kappa

Recommended Dilution Ratios

Storage

Storage* 2°C to 8°C/1 year

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.

Target Information

Gene name AMACR

Protein Name AMACR

Organism

Gene ID

UniProt ID

Human

[23600](#);

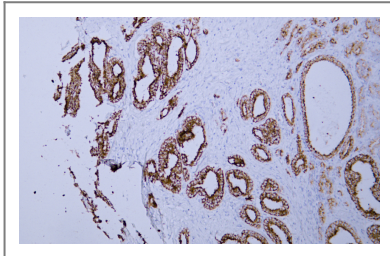
[Q9UHK6](#);

Cellular Localization Cytoplasmic

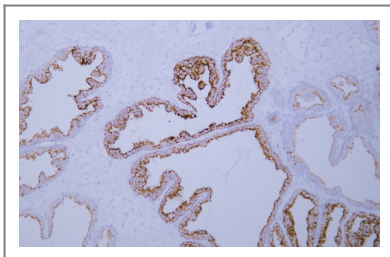
Tissue specificity Aorta,Brain,Cerebellum,Kidney,Liver,PCR rescued clones,Prostate cancer,Sali

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



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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**AMACR (ABT-
AMACR) IHC kit**

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