

产品名称: AMACR Mouse Monoclonal Antibody
产品货号: AMM80610



产品概述 (Summary)

产品名称 (Production Name)	AMACR Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ICC,ELISA
种属反应性 (Reactivity)	Human,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG2b
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in PBS with 0.05% sodium azide.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	AMACR
别名 (Alternative Names)	RACE
基因 ID (Gene ID)	23600.0
蛋白 ID (SwissProt ID)	Q9UHK6.Purified recombinant fragment of human AMACR expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	42kDa

研究背景 (Background)

AMACR (alpha-methylacyl-CoA racemase) has been recently described as prostate cancer-specific gene that encodes a

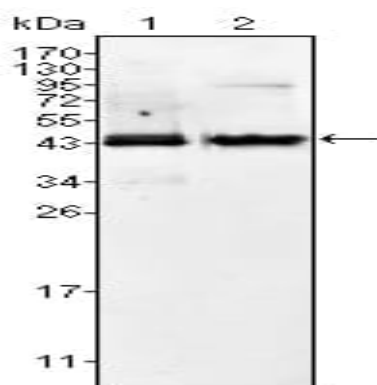
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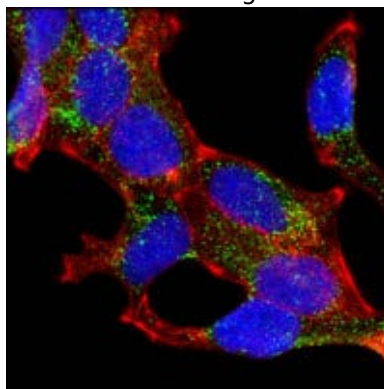
protein involved in the beta-oxidation of branched chain fatty acids. Expression of AMACR protein is found in prostatic adenocarcinoma but not in benign prostatic tissue. It stains premalignant lesions of prostate: high-grade prostatic intraepithelial neoplasia (PIN) and atypical adenomatous hyperplasia. AMACR can be used as a positive marker for PIN. Defects in AMACR are the cause of congenital bile acid synthesis defect type 4 (CBAS4); 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.

研究领域 (Research Area)

图片 (Image Data)

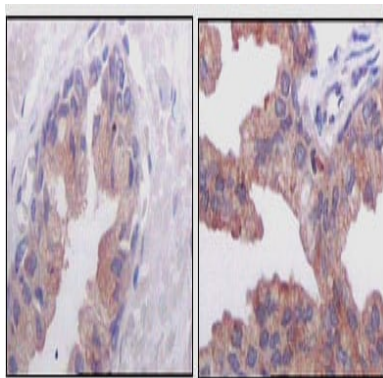


Western blot analysis using AMACR mouse mAb against Jurkat (1) and LNCaP (2) cell lysate.

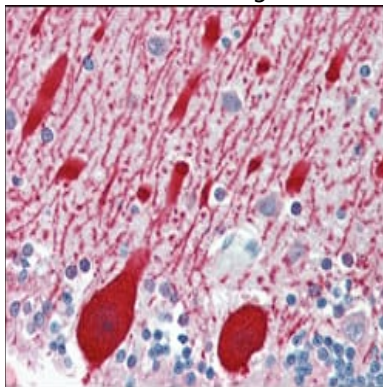


Confocal Immunofluorescence analysis of LNCaP cells using AMACR mouse mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

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Immunohistochemical analysis of paraffin-embedded human normal prostate tissues (left) and prostate adenocarcinoma tissues (right), showing cytoplasmic localization using AMACR mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human brain cerebellum using AMACR mouse mAb.

注意事项 (Note)

For research use only .