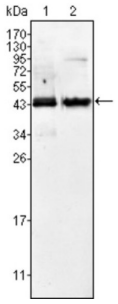
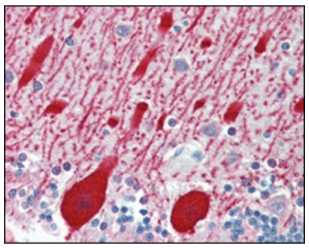
Alpha-Methylacyl-CoA Racemase (AMACR) Antibody

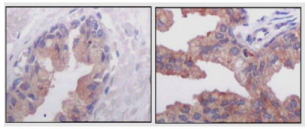
Catalogue No.:abx015770



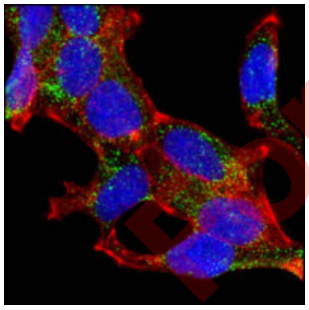
Western blot analysis using AMACR antibody against Jurkat (1) and LNCaP (2) cell lysate.



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



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



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

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

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Target:	Alpha-Methylacyl-CoA Racemase (AMACR)
Clonality:	Monoclonal
Reactivity:	Human, Mouse
Tested Applications:	ELISA, WB, IHC, IF/ICC
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, IF/ICC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human AMACR expressed in E. coli.
Isotype:	IgG_{2b}
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
GeneID:	23600
Molecular Weight:	42 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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