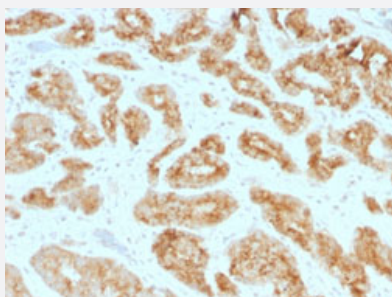


AMACR monoclonal antibody, clone AMACR/1723

Catalog # MAB14791 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human prostate carcinoma with AMACR monoclonal antibody, clone AMACR/1723 (Cat # MAB14791).

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant human AMACR.
Immunogen	Recombinant protein corresponding to full length human AMACR.
Host	Mouse
Theoretical MW (kDa)	54
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS.

Storage Instruction

Store at -20 to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human prostate carcinoma with AMACR monoclonal antibody, clone AMACR/1723 (Cat # MAB14791).

- Immunofluorescence

Gene Info — AMACR

Entrez GeneID [23600](#)

Protein Accession# [Q9UHK6](#)

Gene Name AMACR

Gene Alias RACE

Gene Description alpha-methylacyl-CoA racemase

Omim ID [604489](#)

Gene Ontology [Hyperlink](#)

Gene Summary Alpha-methylacyl-CoA racemase is responsible for the conversion of pristanoyl-CoA and C27-bile acyl-CoAs to their (S)-stereoisomers, which are the only stereoisomers that can be degraded via a peroxisomal beta-oxidation.[supplied by OMIM]

Other Designations -

Publication Reference

- [Expression of alpha-methylacyl-CoA racemase \(P504s\) in various malignant neoplasms and normal tissues: a study of 761 cases.](#)

Jiang Z, Fanger GR, Woda BA, Banner BF, Algate P, Dresser K, Xu J, Chu PG.

Human Pathology 2003 Aug; 34(8):792.

Application: IHC-P, Human, Malignant neoplasms, Normal tissues

- [P504S: a new molecular marker for the detection of prostate carcinoma.](#)

Jiang Z, Woda BA, Rock KL, Xu Y, Savas L, Khan A, Pihan G, Cai F, Babcook JS, Rathanaswami P, Reed SG, Xu J, Fanger GR.

The American Journal of Surgical Pathology 2001 Nov; 25(11):1397.

Application: IHC-P, WB-Ti, Human, Prostate carcinoma

Pathway

- [Metabolic pathways](#)
- [Primary bile acid biosynthesis](#)

Disease

- [Adenocarcinoma](#)
- [Adenoma](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Ovarian cancer](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Rectal Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)