



Rabbit Monoclonal Antibody

AMACR/ p504s

Technical Data Sheet

Reagent Category

Rabbit Monoclonal primary antibody to AMACR

Antibody Formats Supplied

7 ml of AMACR, Ready-To-Use

PRODUCT# IMI32461E (Ready-To-Use)

SOURCE: Rabbit Monoclonal Hybridoma

IMMNOGEN: Human AMACR polypeptide
AMACR (P504S).

IMMUNOGLOBULIN ISOTYPE: IgG

CLONE: 13H4

REACTIVITY

Alpha methylacyl-CoA racemase (AMACR) is a 45kDa enzyme that is also known as p504s. AMACR is involved in peroxisomal beta-oxidation of dietary branched-chain fatty acids. Anti-AMACR (P504S) recognizes human AMACR (P504S) enzyme expressed in normal tissues and carcinomas, AMACR is consistently over-expressed in prostate cancer epithelium making it a marker for cancer cells within the prostate gland. AMACR is expressed in prostate carcinomas by around 30 folds. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections and it is compatible with formalin fixed tissues as well as other histological fixatives.

POSITIVE CONTROL TISSUE: Prostate carcinoma

STAINING PATTERN: Cytoplasm staining

Antibody FORMAT, DILUTION and INCUBATION

This affinity-purified Rabbit monoclonal antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

7 ml of Ready-To-Use; Incubate For 30 minutes-1-hour for paraffin section staining. Incubate 30 minutes for frozen sections.

This antibody best stains when formalin fixed paraffin embedded sections are retrieved.

For Background-Free and easy retrieval, Innovex Uni-Trieve (65°C-70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up a water bath to 65°C-70°C and fill a slide holding container with Uni-Trieve solution. Place slides in a slide rack and immerse slides in a vessel or a coplin jar containing Uni-Trieve solution, bring the Uni-Trieve solution and slides to 60°C-70°C and let slides incubate at 65°C-70°C for 30 minutes. Rinse slides with 2 quick changes of water; No cooling period is required. Proceed with immunostaining.

CONTINUED OVER



American MasterTech

scientific laboratory supplies

POST OFFICE BOX 2539 LODI, CALIFORNIA 95241 TELEPHONE: 1 (800) 860 4073 FACSIMILE: 1 (209) 368 4136

The above dilutions and incubation times were derived by the use of Innovex STAT-Q and HISTO-STAT staining systems. For less sensitive detection systems these dilution factors may vary and they should be determined by the end user for specific detection system employed.

APPLICATIONS

This antibody is intended for use in immunolocalization of AMACR (P504S) by a variety of immunoassays such as IHC, fluorescent labeling, ELISA, Immunoblotting and dot blotting. In IHC, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections for the purpose of qualitative and/or quantitative localization of AMACR (P504S). This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody reactivity with human has been substantiated; other species reactivity may be characterized by the end user.

STORAGE CONDITIONS

Store in refrigerator at 2-8°C through expiration date noted on the vial.

IMPORTANT NOTE:

The interpretation of test results is the sole responsibility of the end user.

FOR PROFESSIONAL AND RESEARCH USE ONLY