

AMACR (AB1490) mouse mAb

V0006

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- Immunohistochemistry (IHC)

MW

- 42 kDa (calculated)
- 42 kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:50-1:200

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality

Monoclonal

Clone Number

AB1490

Immunogen

A synthetic peptide corresponding to the amino acid region 300 - 382 of the human AMACR protein.

Specificity

The antibody can specifically recognize human AMACR protein.

Purification

Affinity purification Protein A

Concentration

Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name

AMACR

Protein Name

AMACR

Database Link

Organism

Human

Swiss Prot.

Q9UHK6

Gene ID

23600

Background

AMACR is an α Formyl COA racemase localized in peroxisomes and mitochondria . It is an enzyme involved in biosynthesis of bile acid and β -oxidation of branched-chain fatty acids. It is expressed in the epithelium and salivary gland of proximal convoluted tubules of pancreas, liver and kidney, and moderately in paraurethral glands. The expression in prostate cancer is higher than that in benign prostate tissue. In the study of prostate cancer, it is often used in combination with PSA, p63, 34 β E12 and other antibodies.