

AMACR (AB1490) mouse mAb

W0471

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

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

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

IHC; WB; IF; ELISA

Dilution

IHC, 1:100-1:500 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

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. In western blotting of Hela and LnCap cell lysates, the antibody can label a 42 kDa band corresponding to AMACR.

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	Swiss Prot.	Gene ID
	Human	Q9UHK6	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.