

## AMACR/P504S monoclonal antibody

Catalog: MB9051

Host: Mouse

Reactivity: Human

### BackGround:

AMACR, is an enzyme that responsible for converting (2R)-methylacyl-CoA esters to their (2S)-methylacyl-CoA epimers and known substrates, including coenzyme A esters of pristanic acid (mostly derived from phytanic acid, a 3-methyl branched-chain fatty acid that is abundant in the diet) and bile acids derived from cholesterol. Both decreased and increased levels of the enzyme in humans are linked with diseases. Reduction of the protein level or activity results in the accumulation of (2R)-methyl fatty acids such as bile acids which causes neurological symptoms. Increased levels of AMACR protein concentration and activity are associated with prostate cancer, and the enzyme is used widely as a biomarker (known in cancer literature as P504S) in biopsy tissues. Increased levels of AMACR are also associated with some breast, colon, and other cancers, but it is unclear exactly what the role of AMACR is in these cancers. This AMACR antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.

### Product:

Mouse IgG1, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

42 kDa

### Swiss-Prot:

Q9UHK6(Human)

### Purification&Purity:

ProG affinity purified.

### Applications:

WB:1:500-1:2,000

IHC:1:50-1:200

FC:1:50-1:100

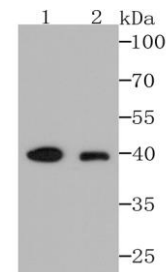
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C. Avoid repeated freeze / thaw cycles.

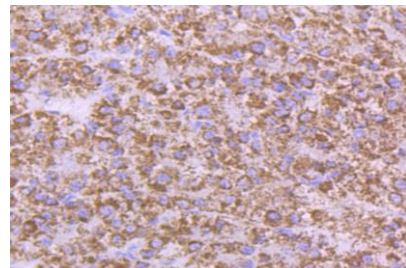
### Specificity:

AMACR/P504S monoclonal antibody detects endogenous levels of AMACR/P504S protein.

### DATA:



Western blot analysis of AMACR/P504S on Siha cell and human liver tissue lysates using anti-AMACR/P504S antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-AMACR/P504S antibody. Counter stained with hematoxylin.

### Note:

For research use only, not for use in diagnostic procedure.

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