

## IDH1 Mouse monoclonal antibody

Catalog: MB9026

Host: Mouse

Reactivity: Human, Zebra fish

### BackGround:

IDH1 is one of three isocitrate dehydrogenases that catalyze the oxidative decarboxylation of isocitrate to  $\alpha$ -ketoglutarate ( $\alpha$ -KG). These enzymes exist in two distinct subclasses that utilize either NAD or NADP<sup>+</sup> respectively, as an electron acceptor. IDH1 is the NADP<sup>+</sup>-dependent isocitrate dehydrogenase found in the cytoplasm and peroxisomes.

### Product:

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

### Molecular Weight:

~ 46 kDa

### Swiss-Prot:

O75874

### Purification&Purity:

Protein A affinity purified

### Applications:

WB: 1:1000

IHC: 1:100-1:200

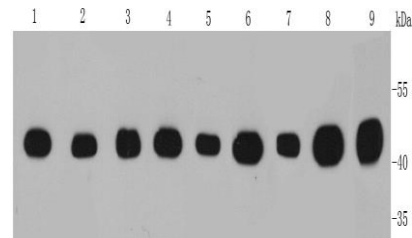
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

This antibody detects endogenous levels of IDH1 and does not cross-react with related proteins.

### DATA:



Western blot (WB) analysis of IDH1 Mouse mAb at 1:500 dilution

Lane1:Hela whole cell lysate

Lane2:HepG2 whole cell lysate

Lane3:A431 whole cell lysate

Lane4:MCF7 whole cell lysate

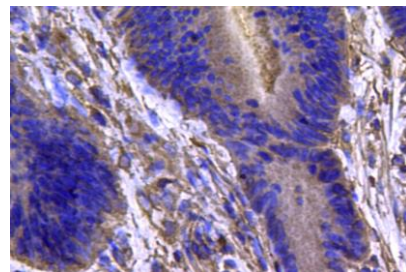
Lane5:A549 whole cell lysate

Lane6:Jurkat whole cell lysate

Lane7:The kidney tissue lysate of Human

Lane8:The brain tissue lysate of Human

Lane9:The liver tissue lysate of Human



Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using anti-IDH1 antibody. Counter stained with hematoxylin.

### Note:

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

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