

## IDH3B polyclonal antibody

Catalog: BS60617

Host: Rabbit

Reactivity: Human,Rat,Mouse

### BackGround:

IDH3B (Isocitrate dehydrogenase 3 (NAD+) b, NAD(+)-specific ICDH) is a 384 amino acid protein encoded by the human gene IDH3B. IDH3B belongs to the isocitrate and isopropylmalate dehydrogenases family and can bind one magnesium or manganese ion per subunit. It is usually found in the mitochondrion as a heterooligomer of subunits a, b, and g in the apparent ratio of 2:1:1. Human NAD-dependent isocitrate dehydrogenase (IDH) is allosterically activated by ADP by lowering the Km for isocitrate. NAD-dependent isocitrate dehydrogenase is a tricarboxylic acid cycle enzyme that produces 2-oxoglutarate, an organic acid required by the glutamine synthetase/glutamate synthase cycle to assimilate ammonium.

### Product:

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

### Molecular Weight:

~ 45 kDa

### Swiss-Prot:

O43837

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

### Storage&Stability:

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

### Specificity:

IDH3B polyclonal antibody detects endogenous levels of IDH3B protein.

### DATA:



Western blot (WB) analysis of IDH3B pAb at 1:5000 dilution

Lane1:H9C2 whole cell lysate(40ug)

Lane2:RAW264.7 whole cell lysate(40ug)

Lane3:HEK293T whole cell lysate(40ug)

Lane4:U-87MG whole cell lysate(40ug)

### Note:

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

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