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IDH2

Reactivity: Human Mouse Rat

Tested applications:WB IHC IF IP CHIP

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:20 - 1:50 IP 1:20 - 1:50 ChIP 1:20 - 1:100

Calculated MW:51kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human IDH2

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

IDH; IDP; IDHM; IDPM; ICD-M; D2HGA2; mNADP-IDH;

Catalog #:A7190

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:3418

Isotype: IgG

Swiss Prot:P48735

Purity: Affinity purification

For research use only.

Background:

Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. These enzymes belong to two distinct subclasses, one of which utilizes NAD(+) as the electron acceptor and the other NADP(+). Five isocitrate dehydrogenases have been reported: three NAD(+)-dependent isocitrate dehydrogenases, which localize to the mitochondrial matrix, and two NADP(+)-dependent isocitrate dehydrogenases, one of which is mitochondrial and the other predominantly cytosolic. Each NADP(+)-dependent isozyme is a homodimer. The protein encoded by this gene is the NADP(+)-dependent isocitrate dehydrogenase found in the mitochondria. It plays a role in intermediary metabolism and energy production. This protein may tightly associate or interact with the pyruvate dehydrogenase complex. Alternative splicing results in multiple transcript variants.

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