

IDH1

Catalog Number: 26136

Gene Symbol: IDH1

Description: Anti-IDH1 Mouse Monoclonal Antibody

Background: Isocitrate dehydrogenase (IDH) catalyzes the oxidative decarboxylation of isocitrate to 2-oxoglutarate. Mutations of Arg-132 in IDH to Cys, His, Leu or Ser abolish magnesium binding and the conversion of isocitrate to alpha-ketoglutarate. Instead, alpha-ketoglutarate is converted to R-2-hydroxyglutarate. Elevated levels of R-2-hydroxyglutarate are correlated with an elevated risk of malignant brain tumors.

Immunogen: Recombinant proteins of human IDH1 (amino acids 1-240).

Tested Applications: ELISA, WB, IF, IHC

Recommended Dilutions:

ELISA:	1:1000-1:5000
WB:	1:500-1:2000
IF:	1:100-1:100
IHC:	1:50-1:100

Concentration: 1 mg/ml

Host: Mouse

Clonality: Monoclonal

Isotype: IgG

Purity: Purified from ascites

Format: Liquid

Preservative: No

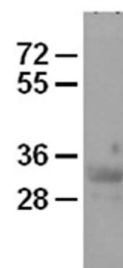
Constituents: PBS (without Mg^{2+} and Ca^{2+}), pH7.4, 150 mM NaCl, 50% glycerol

Species Reactivity: Anti-IDH1 antibody recognizes IDH1 of vertebrates

Storage Conditions: Store at $-20^{\circ}C$. Avoid repeated freezing and thawing

Western blot:

IDH1 protein



WB: Anti-IDH1 mAb

Western blot analysis of recombinant IDH1 protein.

Purified His-tagged IDH1 protein (amino acids 1-240) (Cat. # 10198) was blotted with anti-IDH1 mouse antibody (Cat. # 26136).

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