

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, IHC, IP

Recommended dilutions:

ELISA: 1:1000-1:5000

WB: 1:100-1:1000

IHC: 1:50-1:100

Concentration: 1 mg/ml

Host: Mouse

Clonality: Monoclonal

Purity: Purified from ascites

Format: Liquid

Preservative: no

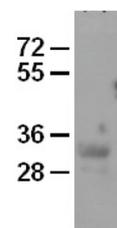
Constituents: PBS (without Mg^{2+} and Ca^{2+}), pH 7.4, 150 mM NaCl, 50% glycerol

Species Reactivity: Anti-IDH1 antibody recognizes IDH1 of vertebrates.

Storage Conditions: Store at $-20^{\circ}C$. Avoid freeze / thaw cycles.

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).