

**IDH1 MAB****Anti-IDH1 Antibody****Cat. #:** 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).**Applications:** ELISA, WB, IHC, IP**Recommended Dilutions:**

ELISA: 1:1000–1:5000

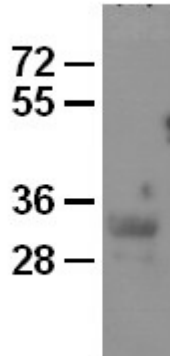
WB: 1:100–1:1000

IHC: 1:50–1:100

**Concentration:** 1 mg/ml**Host Species:** Mouse**Format:** Liquid**Clonality:** Monoclonal**Isotype:** IgG**Purity:** Purified from ascites**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 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).