

## 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

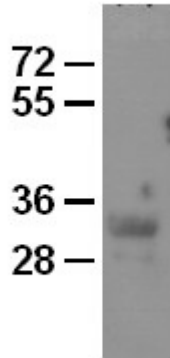
**Constituents:** PBS (without  $Mg^{2+}$  and  $Ca^{2+}$ ), pH 7.4, 150 mM NaCl, 50% glycerol

**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).