

## 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

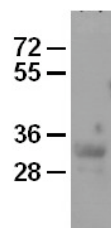
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 50% glycerol

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

**Storage Conditions:** Store at -20°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).

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