

## IDH1(R132H)

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货号: 26081

基因符号: IDH1

描述: IDH1(R132H) 小鼠单克隆抗体

背景: 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.

免疫原: Recombinant protein of human IDH1 which includes the mutation of R132H.

经过测试的应用: ELISA, WB, IHC, IF

推荐稀释度:

ELISA: 1:1000-1:5000

WB: 1:100-1:1000

IF: 1:50-1:100

IHC: 1:50-1:100

浓度: 1 mg/ml

种属反应性: Mouse

形式: Liquid

克隆性: Monoclonal

亚型: IgG

纯化: Purified from ascites

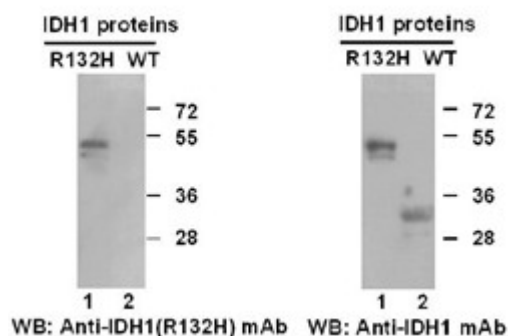
**Preservative:** No

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

种属反应性: IDH1(R132H) antibody recognizes IDH1(R132H) of vertebrates.

储存条件: Store at  $-20^{\circ}C$ . Avoid repeated freezing and thawing

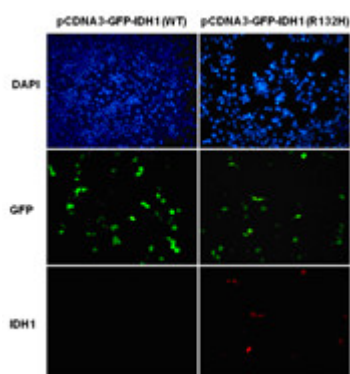
### Western blot:



## Western blot analysis of recombinant IDH1(R132H) and wild type proteins.

Purified His-tagged IDH1(R132H) protein (目录10199) and wild type protein (amino acid 1-240) (目录10198) were blotted with IDH1(R132H) mouse antibody (目录26081)(Left panel) or with IDH1 mouse antibody (货号26136 right panel).

## Immunofluorescence:



## Immunofluorescence of cells expressing IDH1 proteins with IDH1(R132H) antibody.

HEK293T cells were transfected with pCDNA3-GFP-IDH1 (WT) plasmid (left column) or pCDNA3-GFP-IDH1(R132H) plasmid (right column), then fixed and stained with IDH1(R132H) monoclonal antibody (货号26081).