

IDH1(R132H)

产品名称: IDH1(R132H) 小鼠单抗

货号: 26081

基因符号: IDH1

描述: IDH1(R132H) 小鼠单抗

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

推荐稀释比:

ELISA: 1:1000-1:5000

WB: 1:100-1:1000

IF: 1:50-1:100

IHC: 1:50-1:100

Concentration: 1 mg/ml

种属反应性: Mouse

形式: Liquid

克隆性: Monoclonal

亚型: IgG

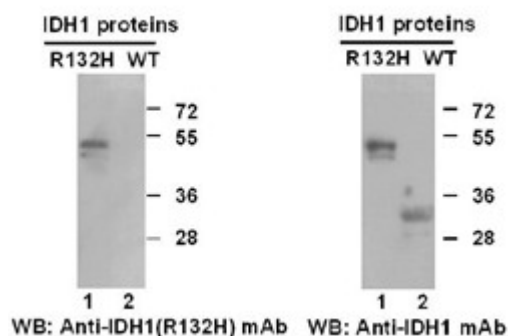
纯化: Purified from ascites

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

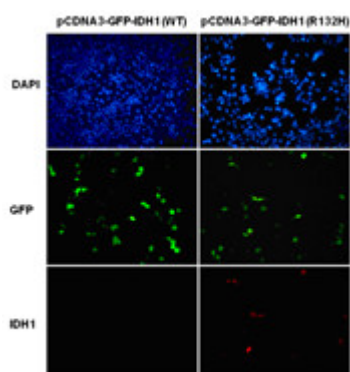
蛋白质印迹:



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

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

Immunofluorescence:



Immunofluorescence of cells expressing IDH1 proteins with anti-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 Anti-IDH1(R132H) monoclonal antibody (货号:26081).