

IDH2(R172H)

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货号:: 26084

基因符号: IDH2

描述: IDH2(R172H) 小鼠单克隆抗体

背景: Isocitrate dehydrogenase (IDH) catalyzes the oxidative decarboxylation of isocitrate to 2-oxoglutarate. Mutations of Arg-172 in IDH2 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: A synthetic peptide from the internal region of human IDH2 which includes the mutation of R172H.

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

IHC: 1:50-1:100

IF: 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

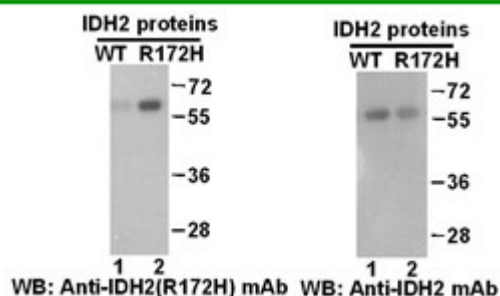
Preservative: No

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

种属反应性: IDH2(R172H) antibody recognizes IDH2(R172H) of vertebrates.

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

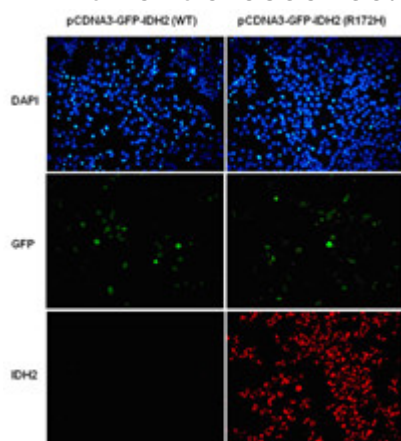
Western blot:



Western blot analysis of recombinant IDH2(R172H) and wild type IDH2 proteins.

Purified his-tagged IDH2(R172H) protein (货号 10201) and wild type IDH2 protein (货号 10200) were blotted with IDH2(R172H) monoclonal antibody (货号 26084) (left panel). Proteins loading were blotted with IDH2 monoclonal antibody (right panel).

Immunofluorescence:



Immunofluorescence of cells expressing IDH2 proteins with IDH2(R172H) antibody.

HEK293T cells were transfected with pCDNA3-GFP-IDH2 (WT) plasmid (left column) or pCDNA3-GFP-IDH2(R172H) plasmid (right column), then fixed and stained with IDH2(R172H) monoclonal antibody (货号26084).