

IDH1(R132S)

产品名称: IDH1(R132S)

货号: 26160

基因符号: IDH1; IDCD; IDH; IDP; IDPC; PICD

描述: IDH1(R132S) 小鼠单抗

背景: Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. Mutations affecting Arg-132 are tissue-specific, and suggest that this residue plays a unique role in the development of high-grade gliomas. Mutations of Arg-132 to Cys, His, Leu or Ser abolish magnesium binding and abolish 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 IDH1 which includes the mutation of R132S, human origin.

经过测试的应用: ELISA, WB, IF, IHC

推荐稀释比: ELISA: 1:1000-1:5000 WB: 1:500-1:1000 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

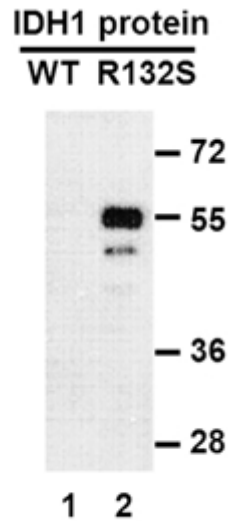
纯化: Purified from ascites

Preservative: No

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

种属反应性: Recognizes IDH1(R132S) mutated protein, but not wild type IDH1 of vertebrates.

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



蛋白质印迹: WB: anti-IDH1(R132S) mAb

Immunofluorescence of cells expressing IDH1 proteins with Anti-IDH1(R132S) antibody. HEK293T cells were transfected with pCDNA3-GFP-IDH1 (WT) plasmid (left column) or pCDNA3-GFP-IDH1(R132S) plasmid (right column), then fixed and stained with Anti-IDH1(R132S) monoclonal antibody (货号:26160).