

IDH2(R172W)**IDH2(R172W)**

货号: 26164

基因符号: IDH2(R172W)

描述: IDH2(R172W) 小鼠单克隆抗体

背景: Isocitrate dehydrogenase (IDH) catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. The isocitrate and isopropylmalate dehydrogenases family has three members, IDH1, IDH2 and IDH3. IDH2 plays a role in intermediary metabolism and energy production. Defects in IDH2 are the cause of D-2-hydroxyglutaric aciduria type 2 (D2HGA2). Somatic mosaic mutations of this protein have also been found associated to Ollier disease and Maffucci syndrome, and R172W IDH2 mutations do exist in diffusely infiltrative gliomas.

免疫原: A synthetic peptide from the internal region of IDH2 which includes the mutation of R172W, human origin.

经过测试的应用: ELISA, WB, IF, IHC

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:

纯化: Purified from ascites

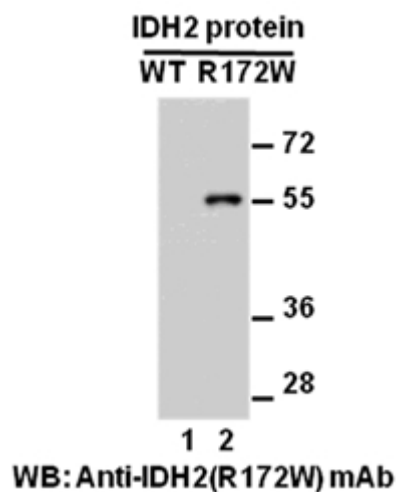
Preservative: No

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

种属反应性: recognizes IDH1(R172W) of vertebrates.

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

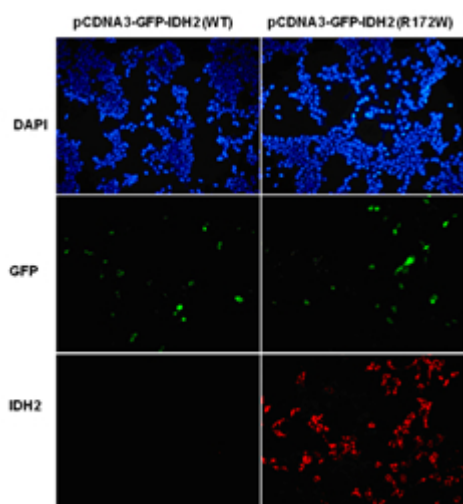
Western blot:



Western blot analysis of recombinant IDH2(R172W) and wild type proteins.

Purified His-tagged IDH2(R172W) (lane 2) and wild type protein (lane 1) were blotted with anti IDH2(R172W) monoclonal antibody (货号26164).

Immunofluorescence:



Immunofluorescence of cells expressing IDH2 proteins with anti IDH2(R172W) antibody.

HEK293T cells were transfected with pCDNA3-GFP-IDH2 (WT) plasmid (left column) or pCDNA3-GFP-IDH2(R172W) plasmid (right column), then fixed and stained with IDH2(R172W) monoclonal antibody (货号26164).