

**IDH2(R172S)****IDH2(R172S)**

货号: 26408

基因符号: IDH2; D2HGA2; ICD-M; IDH; IDHM; IDP; IDPM; mNADP-IDH

描述: IDH2(R172S) 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 R172S 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 R172S, 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

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

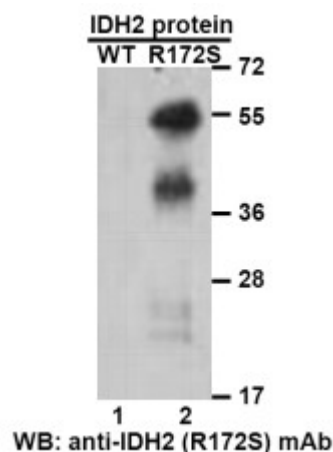
**Preservative:** No

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

种属反应性: recognizes R172S mutant, but not wild type IDH2 of vertebrates.

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

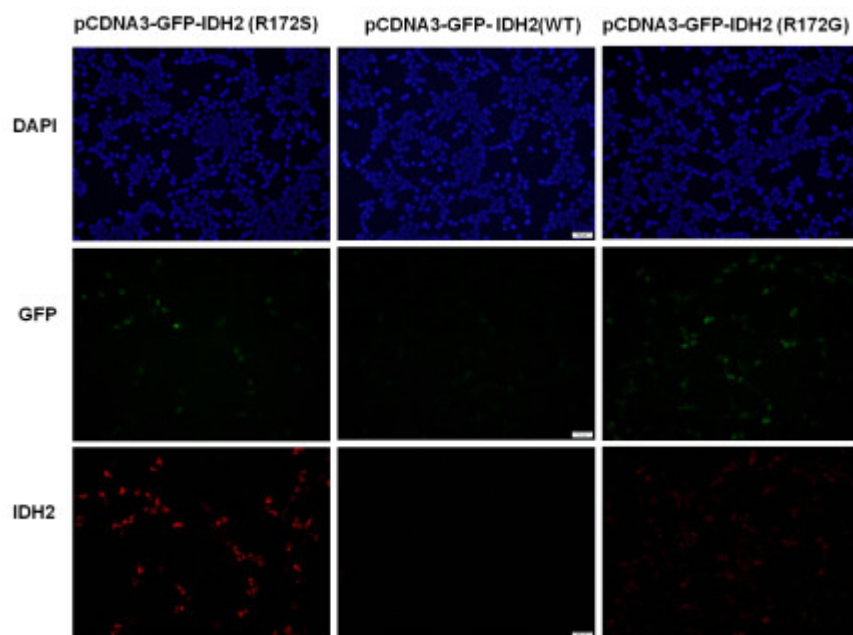
**Western blot:**

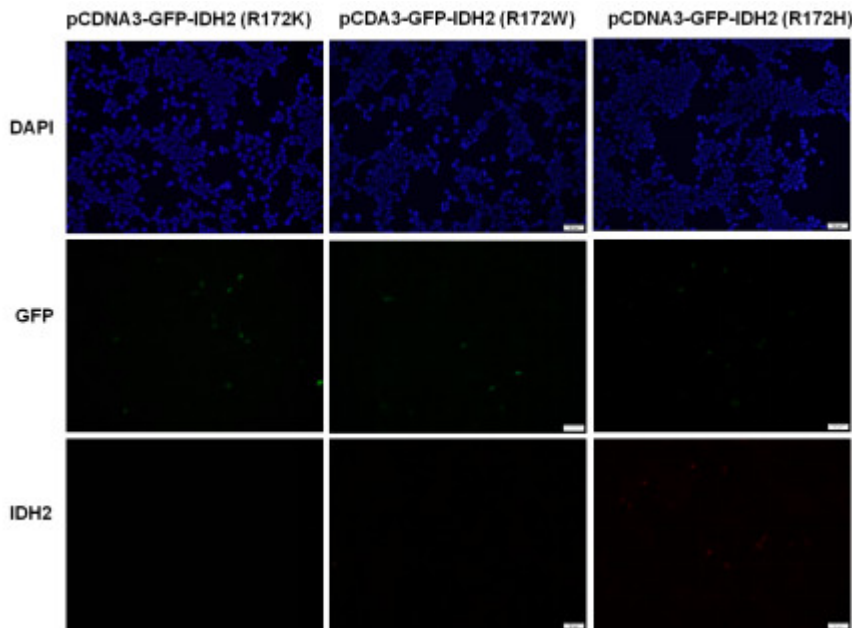


## Western blot analysis of recombinant IDH2(R172S) and wild type proteins.

Purified His-tagged IDH2(R172S) (lane 1) and corresponding wild type IDH2 protein (lane 2) were blotted with IDH2(R172S) monoclonal antibody (货号26408).

## Immunofluorescence:





## Immunofluorescence of cells expressing IDH2 proteins with IDH2(R172S) antibody.

HEK293T cells were transfected with pCDNA3-GFP-IDH2(R172S) plasmid, pCDNA3-GFP-IDH2 (WT) plasmid, pCDNA3-GFP-IDH2 (R172G) plasmid, pCDNA3-GFP-IDH2 (R172K) plasmid, pCDNA3-GFP-IDH2 (R172W) plasmid or pCDNA3-GFP-IDH2 (R172H) plasmid, then fixed and stained with IDH2(R172S) monoclonal antibody (货号26408)