

## IDH2(R140Q)

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货号:: 26165

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

描述: IDH2(R140Q) 小鼠单克隆抗体

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: A synthetic peptide from the internal region of IDH2 which includes the mutation of R140Q, human origin.

经过测试的应用: ELISA, WB, IF, IHC

推荐稀释度:

ELISA: 1:1000-1:5000

WB: 1:500-1:1000

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

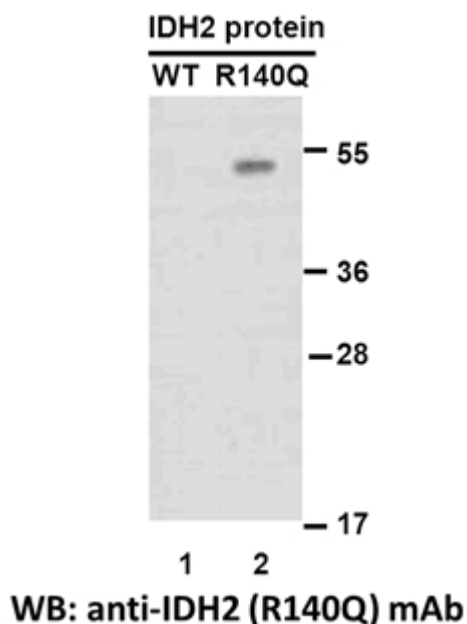
**Preservative:** No

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

种属反应性: Recognizes R140Q mutant, but not wild type IDH2 of vertebrates.

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

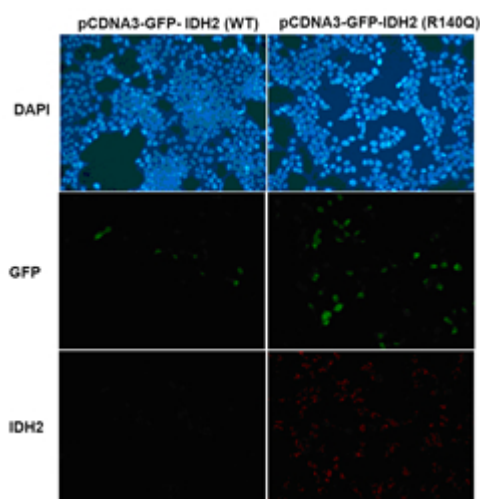
### Western blot:



## Western blot analysis of recombinant IDH2(R140Q) and wild type proteins.

Purified His-tagged IDH2(R140Q) protein (lane 2) and corresponding wild type protein (lane 1) were blotted with anti IDH2(R140Q) monoclonal antibody (货号26165).

## Immunofluorescence:



## Immunofluorescence of cells expressing IDH2 proteins with anti IDH2(R140Q) antibody.

HEK293T cells were transfected with pCDNA3-GFP-IDH2 (WT) plasmid (left column) or pCDNA3-GFP-IDH2(R140Q) plasmid (right column), then fixed and stained with IDH2(R140Q) monoclonal antibody (货号26165).

