

SMAD4(D351H)

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货号: 26418

基因符号: SMAD4, DPC4, JIP, MADH4, MYHRS

描述: SMAD4(D351H) 小鼠单克隆抗体

背景: SMAD4 family member 4, also known as SMAD4, is a protein that in human is encoded by the SMAD4 gene. It is often found mutated in many cancers. It acts as a tumor suppressor that functions in the regulation of the TGF- β signal transduction pathway, which negatively regulates growth of epithelial cells and the extracellular matrix (ECM). SMAD4 alterations have been found in multiple colorectal cancer and pancreatic carcinoma. It is found inactivated in at least 50% of pancreatic cancers. It is also found mutated in the autosomal dominant disease juvenile polyposis syndrome (JPS).

免疫原: A synthetic peptide from the internal region of SMAD4 which includes the mutation of D351H, human origin.

经过测试的应用: ELISA, WB, IHC

推荐稀释度:

ELISA: 1:1000-1:2000

WB: 1:500-1:1000

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: IgG

纯化: Purified from ascites

Preservative: No

成分: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl and 50% glycerol

种属反应性: Recognizes D351H mutant, but not wild type SMAD4 of vertebrates.

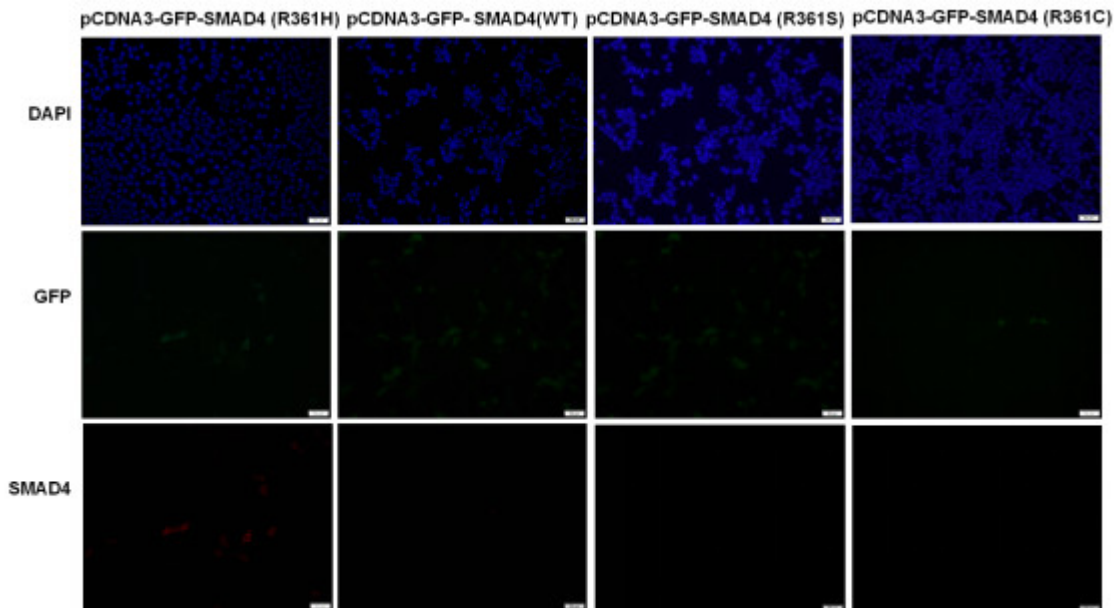
储存条件: Store at -20°C. Avoid repeated freezing and thawing

Western blot:



Western blot analysis of recombinant SMAD4(R361H) and wild type proteins. Purified His-tagged SMAD4(R361H) protein (lane2) and corresponding wild type protein (lane1) were blotted with SMAD4(R361H) monoclonal antibody (货号26422).

Immunofluorescence:



Immunofluorescence of cells expressing SMAD4 proteins with SMAD4(R361H) antibody. HEK293T cells were transfected with pCDNA3-GFP-SMAD4(R361H) plasmid pCDNA3-GFP-SMAD4 (WT) plasmid, pCDNA3-GFP-SMAD4 (R361S) plasmid or pCDNA3-GFP-SMAD4 (R361C) plasmid, then fixed and stained with SMAD4(R361H) monoclonal antibody (货号26422).