p120 Recombinant Rabbit Monoclonal Antibody

Cat:HKZ150193

Company： HaoKebio

Uniprot ID: O60716
Organism: Rabbit
Species reactivity: Human
Predicted Molecular Weight:108 kDa

Applications:
IHC: 1:100-1:200
IHC-Polymer: 1:400-1:800
TSA:1:500-1:1000

Background:

Alpha-catenin and beta-catenin bind to the intracellular domain of E-cadherin, while p120 binds firmly to the juxtamembrane region of E-cadherin. In cells, p120 directly interacts with the C-terminus of E-cadherin and may similarly bind to other cadherins. In colorectal cancer, the localization of p120 often changes due to the loss of intracellular E-cadherin, leading to dense cytoplasmic accumulation. Studies have shown that p120 can be used to distinguish between lobular carcinoma and ductal carcinoma of the breast and further differentiate poorly differentiated ductal carcinoma in situ from lobular carcinoma. Additionally, the expression of p120 antibody has been linked to the prognosis of invasive breast cancer, with strong p120 expression generally indicating a poor patient outcome.

Protein full name:

catenin (cadherin-associated protein), delta 1

Synonyms:

CTNND1, Cadherin-associated Src substrate, CAS, Catenin delta 1, Catenin delta-1

Immunogen:

A synthetic peptide corresponding to amino acid residues 900–1000 of p120 was used as the immunogen.

Isotype:

IgG

Subcellular location:

Cell membrane/Cytoplasm

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

59% PBS, 0.01% sodium azide, 40% glycerol, 0.05% BSA.

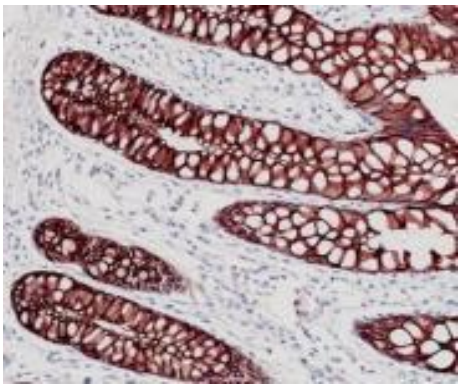
Storage:

Ship on blue ice. Upon receipt, aliquot and store at -25°C to -18°C. Avoid repeated freeze-thaw cycles.

Experimental procedure:

Antigen retrieval using Tris-EDTA buffer (pH 9.0); primary antibody incubation at room temperature (18 ℃ - 25 ℃) for 30 minutes.

Images:



Immunohistochemical results of p120 in colon tissue (formalin-fixed, paraffin-embedded sections) labeled with HKZ150193. Tris-EDTA buffer (pH 9.0) was used for antigen retrieval.

Source of Reagents:

1. Talvinen K, et al. Altered expression of p120 catenin predicts poor outcome in invasive breast cancer. J Cancer Res Clin Oncol. 2010 Sep; 136(9):1377-87.

2. Chivukula M, et al. Pleomorphic lobular carcinoma in situ (PLCIS) on breast core needle biopsies: clinical significance and immunoprofile. Am J Surg Pathol. 2008 Nov; 32(11):1721-6.

Source of Reagents:

发表[中文论文]请标注:p120 (HKZ150193) 由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:p120 (HKZ150193) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.