

产品名称: Catenin- α E/N Rabbit Polyclonal Antibody
产品货号: APRab08002



产品概述 (Summary)

产品名称 (Production Name)	Catenin- α E/N Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CTNNA1/CTNNA2
别名 (Alternative Names)	CTNNA1; Catenin α -1; Alpha E-catenin; Cadherin-associated protein; Renal carcinoma antigen NY-REN-13; CTNNA2; CAPR; Catenin α -2; Alpha N-catenin; Alpha-catenin-related protein
基因 ID (Gene ID)	1495/1496
蛋白 ID (SwissProt ID)	P35221/P26232.The antiserum was produced against synthesized peptide derived from human Catenin- α 1. AA range:857-906

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	100kDa

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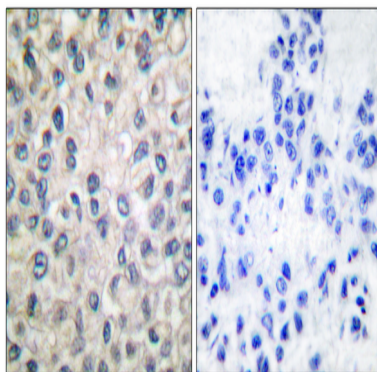
研究背景 (Background)

catenin alpha 1 (CTNNA1) Homo sapiens This gene encodes a member of the catenin family of proteins that play an important role in cell adhesion process by connecting cadherins located on the plasma membrane to the actin filaments inside the cell. The encoded mechanosensing protein contains three vinculin homology domains and undergoes conformational changes in response to cytoskeletal tension, resulting in the reconfiguration of cadherin-actin filament connections. Certain mutations in this gene cause butterfly-shaped pigment dystrophy. [provided by RefSeq, May 2016],disease:Abnormalities of alpha-catenin are involved in the process of cancer invasion and metastasis.,function:Associates with the cytoplasmic domain of a variety of cadherins. The association of catenins to cadherins produces a complex which is linked to the actin filament network, and which seems to be of primary importance for cadherins cell-adhesion properties. May play a crucial role in cell differentiation.,PTM:Sumoylated.,similarity:Belongs to the vinculin/alpha-catenin family.,subcellular location:Found at cell-cell boundaries and probably at cell-matrix boundaries.,subunit:Binds MLLT4 and F-actin (By similarity). Interacts directly with PSEN1 and CTNNB1 to form part of the PSEN1/cadherin/catenin adhesion complex. Interacts with ARHGAP21 and with JUB.,tissue specificity:Expressed ubiquitously in normal tissues.,

研究领域 (Research Area)

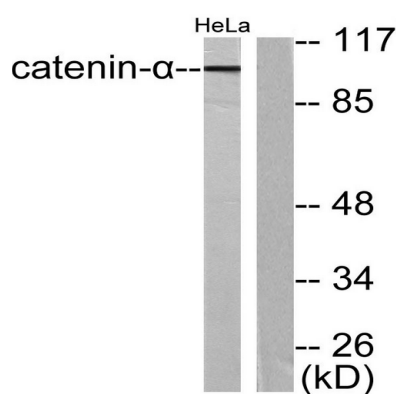
Adherens_Junction;Adherens_Junction;Leukocyte transendothelial migration;Pathways in cancer;Endometrial cancer;Arrhythmogenic right ventricular cardiomyopathy (ARVC);

图片 (Image Data)

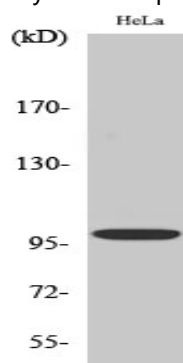


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Catenin-alpha1 Antibody. The picture on the right is blocked with the synthesized peptide.

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Western blot analysis of lysates from HeLa cells, using Catenin-alpha1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Catenin- α E/N Polyclonal Antibody diluted at 1: 500

注意事项 (Note)

For research use only .