abcam

Product datasheet

Anti-P cadherin antibody [NCC-CAD-299] ab12222

1 References 1 图像

概述

产品名称	Anti-P cadherin抗体[NCC-CAD-299]
描述	小鼠单克隆抗体[NCC-CAD-299] to P cadherin
宿主	Mouse
特异性	This antibody specifically reacts with human P Cadherin, and inhibits P Cadherin dependent cell-cell contact.
经测试应用	**适用于:** Flow Cyt, IHC-Fr, WB, Inhibition Assay
种属反应性	**与反应:** Human
免疫原	Human epidermal carcinoma cell line A431.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: None Constituents: 10mM PBS, pH 7.4
克隆	单克隆
克隆编号	NCC-CAD-299
同种型	IgG1

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab12222于以下的经测试应用**

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt		Use 1µg for 10^6 cells. **ab170190** - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

应用	Ab评论	说明
IHC-Fr		Use a concentration of 5 - 10 µg/ml.
WB		Use a concentration of 5 - 10 µg/ml. Use under non reducing condition. Predicted molecular weight: 91.4 kDa.
Inhibition Assay		Use a concentration of 100 µg/ml.

靶标

功能 Cadherins are calcium dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types.

组织特异性 Expressed in some normal epithelial tissues and in some carcinoma cell lines.

疾病相关 Defects in CDH3 are the cause of hypotrichosis with juvenile macular dystrophy (HJMD) [MIM:601553]. HJMD is a rare autosomal recessive disorder characterized by early hair loss heralding severe degenerative changes of the retinal macula and culminating in blindness during the second to third decade of life.
Defects in CDH3 are the cause of ectodermal dysplasia with ectrodactyly and macular dystrophy (EEM) [MIM:225280]; also known as EEM syndrome, Albrectsen-Svendsen syndrome or Ohdo-Hirayama-Terawaki syndrome. Ectodermal dysplasia defines a heterogeneous group of disorders due to abnormal development of two or more ectodermal structures. EEM is an autosomal recessive condition characterized by features of ectodermal dysplasia such as sparse eyebrows and scalp hair, and selective tooth agenesis associated with macular dystrophy and ectrodactyly.

序列相似性 Contains 5 cadherin domains.

细胞定位 Cell membrane.

图片

Flow Cytometry - Anti-P cadherin antibody [NCC-CAD-299] (ab12222)

Overlay histogram showing A431 cells stained with ab12222 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab12222, 1µg/1x10^6 cells) for 30 min at 22ºC. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 min at 22ºC. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (**ab91353**, 2µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in A431 cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

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