abcam

Product datasheet

Anti-P cadherin antibody ab75718

1 Image

Overview

Product name	Anti-P cadherin antibody
Description	Rabbit polyclonal to P cadherin
Host species	Rabbit
Tested applications	**Suitable for:** ELISA, IHC-P
Species reactivity	**Reacts with:** Human
Immunogen	A KLH conjugated synthetic peptide selected from the N terminal region of human P cadherin.
Positive control	Human prostate carcinoma tissue

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium Azide Constituents: PBS
Purity	Immunogen affinity purified
Purification notes	This antibody is purified through a protein A column, followed by peptide affinity purification.
Clonality	Polyclonal
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab75718** in the following tested applications.

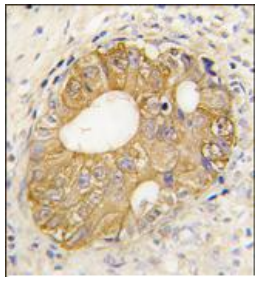
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		1/1000.
IHC-P		1/10 - 1/50.

Target

Function	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.
Tissue specificity	Expressed in some normal epithelial tissues and in some carcinoma cell lines.
Involvement in disease	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.
Sequence similarities	Contains 5 cadherin domains.
Cellular localization	Cell membrane.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - P cadherin antibody (ab75718)

ab75718, at a dilution of 1/10, staining P cadherin in formalin fixed, paraffin embedded human prostate carcinoma tissue by Immunohistochemistry. ab75718 was peroxidase conjugated to the secondary antibody, followed by DAB staining.

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