abcam

Product datasheet

Anti-P cadherin antibody [56C1], prediluted ab75442

1 Abreviews 1 Image

Overview

Product name	Anti-P cadherin antibody [56C1], prediluted
Description	Mouse monoclonal [56C1] to P cadherin, prediluted
Host species	Mouse
Tested applications	**Suitable for:** IHC-P
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant protein corresponding to extracellular domain of human P cadherin.
Epitope	External domain
Positive control	Human tonsil tissue

Properties

Form	Prediluted
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 15mM Sodium Azide Constituents: 0.5M Tris HCl, stabilizing protein, pH 7.6
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	56C1
Isotype	IgG1

Applications

Our Abpromise guarantee covers the use of **ab75442** in the following tested applications.

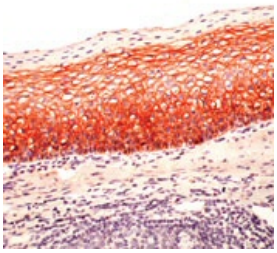
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.

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) - Anti-P cadherin antibody [56C1], prediluted (ab75442)

Formalin-fixed, paraffin-embedded human tonsil stained with ab75442 using peroxidase conjugate and AEC chromogen. Note membrane staining of epithelial cells.

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