

## Product datasheet

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

★★★★☆ 1 Abreviews 1 Image

### Overview

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

### Properties

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

### Applications

Our [Abpromise guarantee](#) covers the use of **ab75442** in the following tested applications.

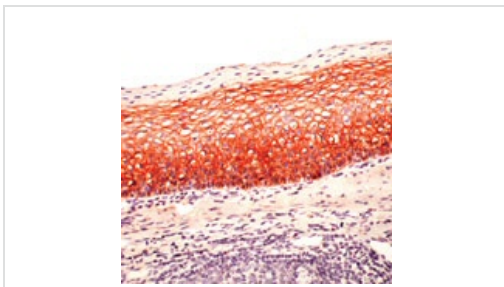
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

### Target

|                               |  |
|-------------------------------|--|
| <b>Function</b>               | 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.   |
| <b>Tissue specificity</b>     | Expressed in some normal epithelial tissues and in some carcinoma cell lines.  |
| <b>Involvement in disease</b> | 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.<br>Defects in CDH3 are the cause of ectodermal dysplasia with ectrodactyly and macular dystrophy (EEM) [MIM:225280]; also known as EEM syndrome, Albrechtsen-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. |
| <b>Sequence similarities</b>  | Contains 5 cadherin domains.   |
| <b>Cellular localization</b>  | Cell membrane.   |

## Images



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

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - P cadherin antibody [56C1], prediluted (ab75442)

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