

Datasheet for ABIN6180164  
**anti-P-Cadherin antibody (CF®568)**



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## Overview

|              |                                                                       |
|--------------|-----------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                |
| Target:      | P-Cadherin (CDH3)                                                     |
| Reactivity:  | Human                                                                 |
| Host:        | Mouse                                                                 |
| Clonality:   | Monoclonal                                                            |
| Conjugate:   | This P-Cadherin antibody is conjugated to CF®568                      |
| Application: | Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF) |

## Product Details

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | Mouse Monoclonal anti-P-Cadherin (12H6), CF568 Conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Immunogen:       | Recombinant human full-length P-cadherin fusion protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Clone:           | 12H6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Isotype:         | IgG1 kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Characteristics: | <p>This antibody recognizes a protein of 116 kDa, identified as P-Cadherin-1 (CDH3). It is a calcium-dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. This gene is located in a six-cadherin cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. In addition, aberrant expression of this protein is observed in cervical adenocarcinomas. Mutations in this gene have been associated with congenital hypotrichosis with juvenile macular dystrophy. Primary antibodies are available purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer</p> |

## Product Details

exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

## Target Details

|                   |                                                                                                                                                       |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | P-Cadherin (CDH3)                                                                                                                                     |
| Alternative Name: | P-Cadherin ( <a href="#">CDH3 Products</a> )                                                                                                          |
| Background:       | Cadherin 3 type 1, Cadherin-3, Cadp, Calcium dependent adhesion protein placental, CDH3, CDHP, HJMD, P-cadherin (Placental), PCAD, Placental cadherin |
| Molecular Weight: | 116 kDa                                                                                                                                               |
| Gene ID:          | 1001, 191842                                                                                                                                          |
| UniProt:          | <a href="#">P22223</a>                                                                                                                                |

## Application Details

|                    |                                                                                                                                                                                                                                                 |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Flow Cytometry 0.5-1 µg/million cells/0.1 mL <ul style="list-style-type: none"><li>Immunofluorescence 1-2 µg/mL</li><li>Western blotting 0.5-1 µg/mL</li><li>Optimal dilution for a specific application should be determined by user</li></ul> |
| Comment:           | A431 or PC-3 cells. Pancreas, Placenta or Prostate                                                                                                                                                                                              |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                           |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | 100 µg/mL                                                                                                              |
| Buffer:            | PBS/0.1 % BSA/0.05 % azide                                                                                             |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice:   | Protect from light                                                                                                     |