

Datasheet for ABIN7658270
anti-P-Cadherin antibody (CF®740)



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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®740
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	P-Cadherin (CDH3) (12H6), CF740 conjugate
Immunogen:	Recombinant human full-length P-cadherin fusion protein
Clone:	12H6
Isotype:	IgG1, kappa
Characteristics:	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

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
Background:	Synonyms: Cadherin 3 type 1, Cadherin-3, Cadp, Calcium dependent adhesion protein placental, CDH3, CDHP, HJMD, P-cadherin (Placental), PCAD, Placental cadherin Gene Symbol: CDH3 Tissue Expression: Epithelial cells
Molecular Weight:	116 kDa
Gene ID:	1001
UniProt:	P22223

Application Details

Application Notes:	Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Immunofluorescence: 1-2 µg/mL. Flow Cytometry 0.5-1 µg/million cells/0.1 mL. Western blotting 0.5-1 µg/mL. Optimal dilution for a specific application should be determined by user
Comment:	Positive Control: A431 or PC-3 cells. Pancreas, Placenta or Prostate
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 mg/mL
Buffer:	PBS, 0.1 % rBSA, 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

Handling Advice:	Protect from light
Storage:	4 °C
Storage Comment:	Stable at room temperature or 37°C for 7 days. Protect from light Store at 2 to 8°C. Protect fluorescent conjugates from light
Expiry Date:	24 months