

# CDH3 monoclonal antibody, clone 12H6

Catalog # MAB14719

Size 100 ug

## Specification

**Product Description** Mouse monoclonal antibody raised against full length recombinant human CDH3.

**Immunogen** Recombinant protein corresponding to full length human CDH3.

**Host** Mouse

**Theoretical MW (kDa)** 116

**Reactivity** Human

**Form** Liquid

**Purification** Protein A/G purification

**Isotype** IgG1, kappa

**Recommend Usage**  
Flow Cytometry (0.5-1 ug/10<sup>6</sup> cells)  
Immunofluorescence (1-2 ug/mL)  
Western Blotting (0.5-1 ug/mL)  
The optimal working dilution should be determined by the end user.

**Storage Buffer** In 10 mM PBS.

**Storage Instruction**  
Store at -20 to -80°C.  
Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot
- Immunofluorescence
- Flow Cytometry

## Gene Info — CDH3

Entrez GeneID	<a href="#">1001</a>
Protein Accession#	<a href="#">P22223</a>
Gene Name	CDH3
Gene Alias	CDHP, HJMD, PCAD
Gene Description	cadherin 3, type 1, P-cadherin (placental)
Omim ID	<a href="#">114021</a> <a href="#">601553</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	This gene is a classical cadherin from the cadherin superfamily. The encoded protein 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. [provided by RefSeq]
Other Designations	cadherin 3, type 1 calcium-dependent adhesion protein, placental

## Publication Reference

- [Aberrant P-cadherin expression is a feature of clonal expansion in the gastrointestinal tract associated with repair and neoplasia.](#)  
Sanders DS, Perry I, Hardy R, Jankowski J.  
The Journal of Pathology 2000 Apr; 190(5):526.

## Pathway

- [Cell adhesion molecules \(CAMs\)](#)

## Disease

- [Colitis](#)
- [Genetic Predisposition to Disease](#)