



Anti-CDH3 monoclonal antibody, clone 205906 (DCABY-3972)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The cadherin superfamily comprises a large number of cell surface glycoproteins with one or more cadherin repeats, which are involved in Ca ²⁺ -dependent cell-cell adhesion. Classical cadherins contain five extracellular cadherin repeats and a conserved cytoplasmic region that interacts with the actin cytoskeleton via catenins. In addition to cell adhesion, cadherins also mediate morphogenesis, cytoskeletal organization, and cell migration. In addition to the classical cadherins, the cadherin superfamily also includes desmosomal cadherins, protocadherins, 7TM cadherins, FAT family cadherins, and T-cadherin.
Specificity	Detects human P-Cadherin in direct ELISAs and Western blots. In Western blots, does not cross-react with recombinant human (rh)Cadherin-8, recombinant mouse P-Cadherin, or rhVE-Cadherin.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human P-Cadherin. Asp108-Gly654 Accession Number CAA45177
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	205906
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	Western Blot, Flow Cytometry, Immunocytochemistry, ELISA Capture (Matched Pair)
Format	Liquid

Size	500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	CDH3 cadherin 3, type 1, P-cadherin (placental) [Homo sapiens (human)]
Official Symbol	CDH3
Synonyms	CDH3; cadherin 3, type 1, P-cadherin (placental); CDHP; HJMD; PCAD; cadherin-3; calcium-dependent adhesion protein, placental;
Entrez Gene ID	1001
Protein Refseq	NP_001784
UniProt ID	P22223
Chromosome Location	16q22.1
Pathway	Adherens junctions interactions; Cell adhesion molecules (CAMs); Cell junction organization; Cell-Cell communication; Cell-cell junction organization;
Function	calcium ion binding; molecular_function;