



Anti-CDH3 polyclonal antibody [Biotin] (DPABY-639)

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 ELISAs and Western blots. In sandwich immunoassays, less than 0.2% cross-reactivity with recombinant human (rh)VE-Cadherin, rhE-Cadherin, recombinant mouse P-Cadherin, and rhN-Cadherin is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human P-Cadherin. Met1-Gly654 Accession Number CAA45177
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, ELISA Detection (Matched Pair)
Format	Liquid
Size	50 µg

Buffer	Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) containing 50 µg of bovine serum albumin (BSA) per 1 µg of antibody.
Preservative	None
Storage	Lyophilized samples are stable for twelve months from date of receipt when stored at -20 °C to -70 °C. Upon reconstitution, the antibody can be stored at 2 °C to - 8 °C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at - 20 °C to -70 °C in a manual defrost freezer for six months without detectable loss of activity. Avoid repeated freeze-thaw cycles.

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;