



# Anti-CDH3 polyclonal antibody (DPABY-298)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	The cadherin superfamily comprises a large number of cell surface glycoproteins with one or more cadherin repeats, which are involved in Ca <sup>2+</sup> -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.
<b>Specificity</b>	Detects P-Cadherin in ELISAs and Western blots. In sandwich immunoassays, less than 2% cross-reactivity with recombinant human (rh)P-Cadherin is observed and less than 0.3% cross-reactivity with recombinant mouse E-Cadherin, rhN-Cadherin, and rhCadherin-8 is observed.
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse P-Cadherin. Glu100-Gly647 Accession Number Q8BSL6
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Mouse
<b>Purification</b>	Antigen Affinity-purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot, Flow Cytometry, Immunocytochemistry, ELISA Capture (Matched Pair), Adhesion Blockade
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.

<b>Preservative</b>	None
<b>Storage</b>	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <p>12 months from date of receipt, -20 to -70 °C as supplied.</p> <p>1 month, 2 to 8 °C under sterile conditions after reconstitution.</p> <p>6 months, -20 to -70 °C under sterile conditions after reconstitution.</p>

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Cdh3 cadherin 3 [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	CDH3
<b>Synonyms</b>	CDH3; cadherin 3; Cadp; Cdhp; Pcad; AI385538; P-cadherin; cadherin-3; placental cadherin; RPE-specific cadherin;
<b>Entrez Gene ID</b>	<a href="#">12560</a>
<b>Protein Refseq</b>	<a href="#">NP_001032898</a>
<b>UniProt ID</b>	<a href="#">P10287</a>
<b>Chromosome Location</b>	8 D3; 8 53.16 cM
<b>Pathway</b>	Adherens junctions interactions; Cell adhesion molecules (CAMs); Cell junction organization; Cell-Cell communication; Cell-cell junction organization; PodNet: protein-protein interactions in the podocyte; XPodNet - protein-protein interactions in the podo
<b>Function</b>	calcium ion binding; metal ion binding;