



Anti-CDH3 polyclonal antibody [Biotin] (DPABY-512)

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 mouse 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.
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse P-Cadherin. Glu100-Gly647 Accession Number Q8BSL6
Isotype	IgG
Source/Host	Goat
Species Reactivity	Mouse
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, Flow Cytometry, ELISA Detection (Matched Pair)
Format	Liquid

Size	50 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
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 [Mus musculus (house mouse)]
Official Symbol	CDH3
Synonyms	CDH3; cadherin 3; Cadp; Cdhp; Pcad; AI385538; P-cadherin; cadherin-3; placental cadherin; RPE-specific cadherin;
Entrez Gene ID	12560
Protein Refseq	NP_001032898
UniProt ID	P10287
Chromosome Location	8 D3; 8 53.16 cM
Pathway	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
Function	calcium ion binding; metal ion binding;