



Anti-NID1 polyclonal antibody [Biotin] (DPABY-658)

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

PRODUCT INFORMATION

Antigen Description	Nidogen-2 (also called entactin-2) is a 200 kDa, secreted, basement membrane glycoprotein. Nidogens-1 and -2 are expressed in nearly all basement membranes where they interact with laminins, collagen type IV, and proteoglycan family members. Nidogen-2 contains three globular domains (G1-3) separated by a link region and an extended rod-shaped segment. The G1 domain is reported to bind type IV collagen, the G2 domain interacts with perlecan, and C-terminal G3 is associated with laminin binding. There is one EGF-like motif and a short peptide that ligates alpha 3 beta 1 integrins. The rod-shaped segment contains four additional EGF-like motifs and two thyroglobulin type 1 domains that serve as a binding site for alpha V beta 3 integrins.
Specificity	Detects humanNidogen-1/Entactin inELISAs and Western blots. In sandwich immunoassays, less than 0.2%cross-reactivity with recombinant human Nidogen-2 is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Nidogen-1/Entactin. Leu29-Lys1114 (Gln1113Arg) Accession Number AAH45606.1
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, Immunohistochemistry, 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	NID1 nidogen 1 [Homo sapiens (human)]
Official Symbol	NID1
Synonyms	NID1; nidogen 1; NID; nidogen-1; NID-1; enactin; entactin;
Entrez Gene ID	4811
Protein Refseq	NP_002499
UniProt ID	P14543
Chromosome Location	1q43
Pathway	Degradation of the extracellular matrix; Extracellular matrix organization; Laminin interactions;
Function	calcium ion binding; collagen binding; laminin binding; laminin-1 binding; proteoglycan binding;