

# Nidogen2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP54225

## Product Information

<b>Application</b>	IHC-P, IHC-F, IF, ICC, E
<b>Primary Accession</b>	<a href="#">Q14112</a>
<b>Reactivity</b>	Rat, Pig, Dog, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	151254
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human Nidogen2
<b>Epitope Specificity</b>	501-600/1375
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Secreted, extracellular space, extracellular matrix, basement membrane.
<b>SIMILARITY</b>	Contains 5 EGF-like domains. Contains 5 LDL-receptor class B repeats. Contains 1 NIDO domain. Contains 1 nidogen G2 beta-barrel domain. Contains 2 thyroglobulin type-1 domains.
<b>SUBUNIT</b>	Interacts with LAMA2. Interacts with COL13A1.
<b>Post-translational modifications</b>	Highly N- and O-glycosylated.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	Nidogen 2 is an adhesion glycoprotein which is widely distributed in basement membranes. Binds to collagens I and IV, to perlecan and to laminin 1. Does not bind fibulins. It probably has a role in cell extracellular matrix interactions.

## Additional Information

<b>Gene ID</b>	22795
<b>Other Names</b>	Nidogen-2, NID-2, Osteonidogen, NID2
<b>Target/Specificity</b>	Heart, placenta and bone. Less in pancreas, kidney and skeletal muscle.
<b>Dilution</b>	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
<b>Format</b>	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

## Protein Information

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<b>Name</b>	NID2
<b>Function</b>	Cell adhesion glycoprotein which is widely distributed in basement membranes. Binds to collagens I and IV, to perlecan and to laminin 1. Does not bind fibulins. It probably has a role in cell- extracellular matrix interactions.
<b>Cellular Location</b>	Secreted, extracellular space, extracellular matrix, basement membrane
<b>Tissue Location</b>	Detected in placenta (at protein level) (PubMed:32337544). Heart and bone. Less in pancreas, kidney and skeletal muscle.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.