

For Research Use Only

Nidogen 2 Polyclonal antibody

Catalog Number: 13530-1-AP

4 Publications



Basic Information

Catalog Number:

13530-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 173 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4424

GenBank Accession Number:

BC035608

GeneID (NCBI):

22795

UNIPROT ID:

Q14112

Full Name:

nidogen 2 (osteonidogen)

Calculated MW:

1375 aa, 151 kDa

Observed MW:

200 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: mouse heart tissue, human heart tissue, human placenta tissue, mouse skeletal muscle tissue

IHC: human kidney tissue, mouse skeletal muscle tissue, mouse kidney tissue

Background Information

Nidogen, also referred to as entactin, represents a highly conserved protein in vertebrates and invertebrates and is found in almost all basement membranes (BM). Nidogen-1 (150 kDa) and nidogen-2 (200 kDa) are elongated molecules composed of three globular domains (G1, G2, and G3) connected by a flexible, protease-sensitive link and a rigid rod-like domain. Western blot analysis of protein extracts of heart, lung, and skeletal muscle of mice, major bands of about 200 kDa were detected, accompanied by smaller and variable bands of 160-170 kDa. (PMID: 12215539)

Notable Publications

Author	Pubmed ID	Journal	Application
Mansheng Li	34901026	Front Cell Dev Biol	IHC
Ishita Kathuria	39684493	Int J Mol Sci	WB
Jeongmin Lee	39257771	bioRxiv	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

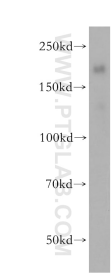
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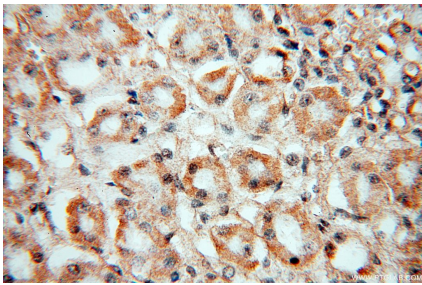
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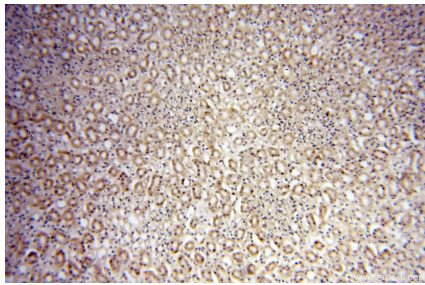
Selected Validation Data



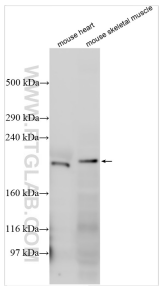
human placenta tissue were subjected to SDS PAGE followed by western blot with 13530-1-AP (Nidogen 2 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney using 13530-1-AP (Nidogen 2 antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 13530-1-AP (Nidogen 2 antibody) at dilution of 1:50 (under 10x lens).



Various lysates were subjected to SDS PAGE followed by western blot with 13530-1-AP (Nidogen 2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.