

Data Sheet

MOUSE NIDOGEN 1

ANTIBODY, POLYCLONAL

Catalog no.: AP1003.1 / AP1003.2

Immunogen: Recombinant mouse Nidogen 1

Synonyms: Entactin

Swiss-Prot No: P10493

Gene Information: Gene Name: Nid1

GeneID: 18073

Host: Rabbit

Matrix: Serum

Specificity: Mouse Nidogen 1

Contents: 20 µl / 100 µl (lyophilized)

Resuspend in 20 µl / 100 µl aqua bidest.

Known applications: ELISA², RIA¹, Western Blot (1:1000)^{1,3,4}, immunohistochemistry (cryosections)^{2,3}

This antibody has not been tested for use in all applications. This does not necessarily exclude its use in non-tested procedures. The stated dilutions are recommendations only. End users should determine optimal dilutions in their system using appropriate negative/positive controls.

Store at: 2-8 °C (lyophilized); -20 °C (dissolved)

Repeated thawing and freezing must be avoided

References:

1. Schymeinsky J, Nedbal S, Miosge N, Poschl E, Rao C, Beier DR, Skarnes WC, Timpl R, Bader BL (2002). Gene structure and functional analysis of the mouse nidogen-2 gene: nidogen-2 is not essential for basement membrane formation in mice. *Mol Cell Biol* **22**(19): 6820-6830.
2. Salmivirta K, Talts JF, Olsson M, Sasaki T, Timpl R, Ekblom P (2002). Binding of mouse nidogen-2 to basement membrane components and cells and its expression in embryonic and adult tissues suggest complementary functions of the two nidogens. *Exp Cell Res* **279**(2): 188-201.
3. Kunze A, Abari E, Semkova I, Paulsson M, Hartmann U (2010). Deposition of nidogens and other basement membrane proteins in the young and aging mouse retina. *Ophthalmic Res* **43**(2): 108-112.
4. van den Akker J, VanBavel E, van Geel R, Matlung HL, Guvenc Tuna B, Janssen GM, van Veelen PA, Boelens WC, De Mey JG, Bakker EN (2010). The redox state of transglutaminase 2 controls arterial remodeling. *PLoS One* **6**(8): e23067.

Last updated on:

27 April 2022

A Nidogen-1

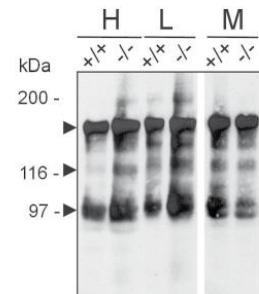


Figure 1: Western Blot analysis of AP1003 specificity. Protein extracts of heart, lung and skeletal muscle from normal (+/+) and Nidogen 2-mutant (-/-) mice were separated by SDS-PAGE and immunoblotted with AP1003 (1:1000). AP1003 detects several Nidogen 1-specific bands (arrow heads) in normal and Nidogen 2-deficient mice. H, heart; L, lung; M, muscle.

Schymeinsky J et al. (2002) Mol Cell Biol 19:6820-30

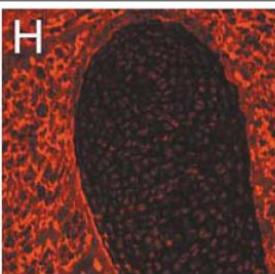
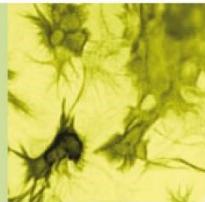
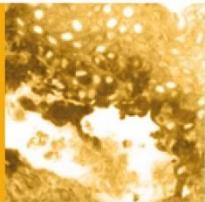


Figure 2: Immunofluorescence image of Nidogen 1 staining in cryosection of mouse cartilage and surrounding tissue

Salmivirta K et al. (2002) Exp Cell Res 279:188-201



Antibodies



For research use only

Publishing research using AP1003? Please let us know so that we can cite your publication as a reference.

Immundiagnostik AG

Stubenwald-Allee 8a · 64625 Bensheim · Germany

Phone: +49 6251 70190-0 · Fax: +49 6251 70190-363 · dept.immunochemicals@immundiagnostik.com · www.immundiagnostik.com