Antibodies

Data Sheet

MOUSE NIDOGEN 1

ANTIBODY, POLYCLONAL

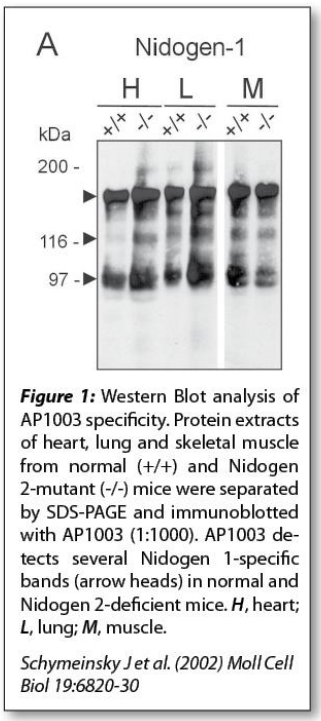

Figure 1: Western Blot analysis of AP1003 specificity. Protein extracts of heart, lung and skeletal muscle from normal (+/+) and Nidogen 2-mutant (-/-) mice were separated by SDS-PAGE and immunoblotted with AP1003 (1:1000). AP1003 detects several Nidogen 1-specific bands (arrow heads) in normal and Nidogen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

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

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:	ELISA[2], RIA[1], 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

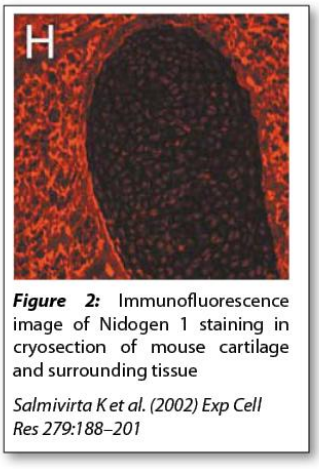

Figure 2: Immunofluorescence image of Nidogen 1 staining in cryosection of mouse cartilage and surrounding tissue

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

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.

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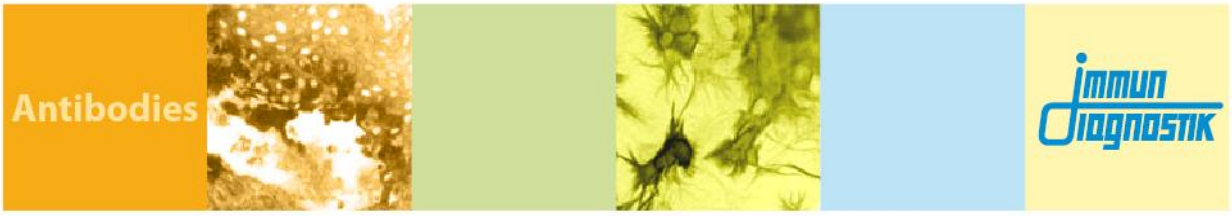

Last updated on: 28 July 2016

For research use only

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

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