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AM00294PII-N OriGene EU

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## Monoclonal Antibody to Nidogen-1 / Entactin - Purified

Ent, NID-1, Nid1 Alternate names: AM00294PU-N **Catalog No.:** 

**Quantity:** 0.1 mg **Concentration:** 0.2 mg/ml

**Background:** Entactin/Nidogen is a ubiquitous multidomain basement membrane protein.

> Hirschsprung's disease (congenital colonic aganglionosis) is associated with abnormalities in the distributions and amounts of basement membrane and other extracellular matrix components in the human gut. Corneas of diabetic patients have abnormal healing and epithelial adhesion, which may be due to alterations of the corneal extracellular matrix and basement membrane. Modified expression, production, and deposition of basement membrane components in high metastatic malignant melanoma

cells could be involved in their altered interactions with the extracellular matrix.

**Host / Isotype:** Recommended **Isotype Controls:** 

SM15P, SM15PX

Rat / IgG2a

Clone: ELM1

Immunogen: Murine EHS laminin preparation.

Remarks: Mol. Wt. of Antigen: 150 kDa (intact); 135 kDa, 110 kDa, 100 kDa, and 80 kDa

(proteolytic fragments).

State: Liquid ascites fluid. Format:

**Purification:** Protein G chromatography

Buffer System: 10 mM PBS, pH 7.4, with 0.2 % BSA and 0.09 % sodium azide.

**Applications:** Immunofluorescence.

Immunohistology (Acetone-fixed frozen and Alcohol-fixed, paraffin-embedded) (Use Ab at

2µg/ml for 30 min at RT). Positive Control: Mouse kidney.

Other applications not tested. Optimal dilutions are dependent on conditions and should

be determined by the user.

**Specificity:** This antibody detects Entactin / Nidogen.

It does not cross-react with other basement membrane components or fibronectin.

Cellular Localization: Basement membrane.

**Species:** Guinea pig, Mouse. Does not react with Human.

Other species not tested.

Storage: Store the antibody at 2 - 8 °C for one month or in aliquots at -20 °C for longer. Avoid

> repeated freezing and thawing. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com



OG/20130513



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**General Readings:** 

- 1. Horiguchi et. al., Arch Dermatol Res, 1989; 281:427-432.
- 2. Ljubimov AV et. al., Exp Cell Res, 1986; 165:530-540.

