

**Antibody to Nidogen, G2 [JF4 (5G12-D4-E3)]**
RAT MONOCLONAL

Catalog Number: AB-V35
Quantity: 100 micrograms
Format: PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4), no preservative.
Host: Rat
Isotype: IgG2b
Clone: JF4 (5G12-D4-E3)
Immunogen: G2 region of mouse nidogen

Background: Nidogens, previously referred to as entactins, are sulfated monomeric glycoproteins found in the basal lamina. Two forms exist in mammals: nidogen-1 (NID1) and nidogen-2 (NID2). Nidogen-1 consists of three globular domains (G1–G3) connected by two linker segments and serves as a key organizer of basement membrane structure. It facilitates the formation of ternary complexes with laminins, collagen IV, perlecan, and fibulins. Nidogens have been implicated in the development of the heart and lungs.

Specificity & Preparation: This IgG2b rat antibody is generated against the G2 region of mouse nidogen that is able to block its binding to laminin.

Usage: Applications include western blot and ELISA. Working dilutions must be determined by end user.

Storage: Store antibody at -20°C for one year. Avoid repeated freezing and thawing. Gently spin down material 5-10 seconds in a microfuge before use.

**Selected References:**

1. Ries A, Göhring W, Fox JW, Timpl R, Sasaki T (2001) Recombinant domains of mouse nidogen-1 and their binding to basement membrane proteins and monoclonal antibodies. Eur J Biochem 268(19):5119-5128. doi: 10.1046/j.0014-2956.2001.02437.x PMID: 11589703

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