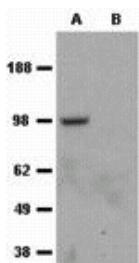


Anti-Human NOD2 Purified

Catalog Number: 14-5869

Also Known As: NOD-2, CARD15

RUO: For Research Use Only



Immunoblotting of HEK 293T cells transfected with FLAG-NOD2 (Lane A) or vector alone (Lane B); probed with 2 ug/mL of Anti-Human NOD2 Purified and revealed with Anti-Mouse IgG HRP. NOD2 is detected at ~110 kDa.

Product Information

Contents: Anti-Human NOD2 Purified

REF Catalog Number: 14-5869

Clone: 2D9

Concentration: 0.5 mg/ml

Host/Isotype: Mouse IgG1, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

The 2D9 monoclonal antibody reacts with NOD2 protein, also known as caspase recruitment domain-containing protein 15 (CARD-15), member of a family of intracellular proteins that contain an N-terminal caspase recruitment domain (CARD), a nucleotide-binding domain (NBD), and a C-terminal regulatory domain. A NOD2 variant has been identified and termed NOD2B. RT-PCR analysis revealed expression primarily in peripheral monocytes. Expression of NOD2 or NOD2B resulted in NF κ B activation, and mutants lacking the LRRs had enhanced NF κ B activation. Both intact CARD domains are necessary and sufficient for IKK-gamma and RICK-dependent NF κ B activation. Coimmunoprecipitation analysis showed that the CARD domain of RICK interacts with the CARD domains of NOD2. It has been proposed that NOD2 serves as an intracellular receptor for bacterial products in monocytes and transduces signals leading to NF κ B activation.

Applications Reported

The 2D9 antibody has been reported for use in immunoprecipitation, immunoblotting (WB), and immunohistochemical staining.

Applications Tested

The 2D9 antibody has been tested by immunoblotting (WB) of lysates from 293T cells transfected with vector alone or FLAG-Nod2 (2ug/ml).

References

Ogura Y, Lala S, Xin W, Smith E, Dowds TA, Chen FF, Zimmermann E, Tretiakova M, Cho JH, Hart J, Greenson JK, Keshay S, Nunez G. 2003. Expression of NOD2 in Paneth cells: a possible link to Crohn's ileitis. Gut. 52(11):1591-7.

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