



POLYCLONAL ANTIBODY

For research use only, Not for diagnostic use.

Catalog No. THU-A-NOD2

Anti Porcine NOD2

[nucleotide-binding oligomerization domain]

BACKGROUND

A cytosolic surveillance system mediated by the nucleotide-binding oligomerization domain (NOD) proteins plays an important role in recognizing intracellular microbe-associated molecular patterns (MAMPs). NOD2 recognizes low-molecular peptidoglycan fragments, such as muramyl dipeptide (MDP). Intracellular immunostaining of porcine NOD2-expressing cells with this antibody shows that porcine NOD2 is located in the cytosol and also appeared enriched close to the cell membrane. This antibody serves as powerful tools for biochemical and immunohistochemical analyses of porcine NOD2 and for understanding the mechanisms of NOD2-mediated immune system in pigs.

Product type	Primary antibody
Immunogen	Amino acids 995-1008 of porcine NOD2
Host Species	Rabbit
Fusion Partner	-
Clone Designation	-
Isotype	-
Source	Serum
Purification	Immunogen affinity purified
Buffer	Phosphate Buffered Saline (PBS, pH7.4) with 0.1% NaN ₃ as a preservative*
Concentration	0.84 mg / mL
Volume	50UL
Label	Unlabeled
Specificity	Porcine NOD2
Cross reactivity	Reacts with porcine. Not yet tested in other species.
Storage	Store below -20°C (below -70°C for prolonged storage). Aliquot to avoid cycles of freeze/thaw.

Application notes	• Immunohistochemistry: 1/25-1/500
Recommended dilutions	• Flow cytometry: 1/50-1/500 • Western blotting: 1/25-1/500

Other applications have not been tested.
Optimal dilutions/concentrations should be determined by the end user.

References	1) Tohno M, Ueda W, Azuma Y, Shimazu T, Katoh S, Wang JM, Aso H, Takada H, Kawai Y, Saito T, Kitazawa H., Molecular cloning and functional characterization of porcine nucleotide-binding oligomerization domain-2 (NOD2). Mol Immunol. 2008 Jan; 45(1):194-203. PMID: 17559936
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ANTIBODY CHARACTERIZATION

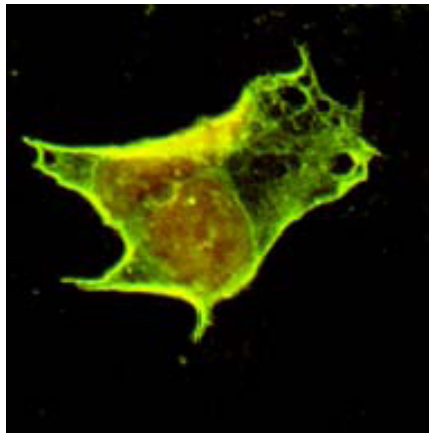


Fig.1 Immunofluorescence staining of NOD2 in Porcine NOD2-expressing HEK293 cells with anti Porcine NOD2 antibody. [Green: NOD2, Red: Nuclei] Ref.1)

RELATED PRODUCT:

Product Name	Application	Quantity	Maker	Cat#
Anti porcine TLR2 Polyclonal Antibody	WB / IHC / FCM / IP / ELISA	50 UL	CAC	THU-A-TLR2
Anti porcine TLR9 Polyclonal Antibody	WB / IHC / FCM / IP / ELISA	50 UL	CAC	THU-A-TLR9
Anti porcine NOD1 Polyclonal Antibody	WB / IHC / FCM	50 UL	CAC	THU-A-NOD1
Anti porcine NOD2 Polyclonal Antibody	WB / IHC / FCM	50 UL	CAC	THU-A-NOD2
Anti porcine PGLYRP3 Polyclonal Antibody	WB / IHC / FCM / IP / ELISA	100 UL	COP	COP-080060
Anti porcine PGLYRP4 Polyclonal Antibody	WB / IHC / FCM / IP / ELISA	100 UL	COP	COP-080061

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