

**Mouse Nod1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP19219c****Specification****Mouse Nod1 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q8BHB0](#)**Mouse Nod1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 107607**Other Names**

Nucleotide-binding oligomerization domain-containing protein 1, Caspase recruitment domain-containing protein 4, Nod1, Card4

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Mouse Nod1 Antibody (Center) Blocking Peptide - Protein Information****Name** Nod1**Synonyms** Card4**Function**

Enhances caspase-9-mediated apoptosis. Induces NF-kappa-B activity via RIPK2 and IKK-gamma. Confers responsiveness to intracellular bacterial lipopolysaccharides (LPS). Forms an intracellular sensing system along with ARHGEF2 for the detection of

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Enhances caspase-9-mediated apoptosis. Induces NF-kappa-B activity via RIPK2 and IKK-gamma. Confers responsiveness to intracellular bacterial lipopolysaccharides (LPS). Forms an intracellular sensing system along with ARHGEF2 for the detection of microbial effectors during cell invasion by pathogens (By similarity).

**Mouse Nod1 Antibody (Center) Blocking Peptide - References**

Moreno, L., et al. Br. J. Pharmacol. 160(8):1997-2007(2010)Iyer, J.K., et al. Infect. Immun. 78(6):2418-2428(2010)Watanabe, T., et al. J. Clin. Invest. 120(5):1645-1662(2010)Toma, C., et al. J. Immunol. 184(9):5287-5297(2010)Shigeoka, A.A., et al. J. Immunol. 184(5):2297-2304(2010)

microbial effectors during cell invasion by pathogens. Recruits NLRP10 to the cell membrane following bacterial infection (By similarity).

**Cellular Location**

Cytoplasm. Cell membrane. Apical cell membrane. Basolateral cell membrane. Note=Detected in the cytoplasm and at the cell membrane. Following bacterial infection, localizes to bacterial entry sites in the cell membrane. Recruited to the basolateral and apical membranes in polarized epithelial cells (By similarity).

**Mouse Nod1 Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)