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Quantity:	200 μL	
Target:	NOD1	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This NOD1 antibody is un-conjugated	
Application:	Immunohistochemistry (IHC)	

### **Product Details**

Immunogen:	Recombinant fusion protein of human NOD1 (NP_006083.1).	
Isotype:	lgG	
Characteristics:	Polyclonal Antibody	
Purification:	Affinity purification	

# **Target Details**

Target:	NOD1	
Alternative Name:	NOD1 (NOD1 Products)	
Background:	This gene encodes a member of the NOD (nucleotide-binding oligomerization domain) family.  This member is a cytosolic protein. It contains an N-terminal caspase recruitment domain	
	(CARD), a centrally located nucleotide-binding domain (NBD), and 10 tandem leucine-rich	
	repeats (LRRs) in its C terminus. The CARD is involved in apoptotic signaling, LRRs participate	

### **Target Details**

in protein-protein interactions, and mutations in the NBD may affect the process of oligomerization and subsequent function of the LRR domain. This protein is an intracellular pattern-recognition receptor (PRR) that initiates inflammation in response to a subset of bacteria through the detection of bacterial diaminopimelic acid. Multiple alternatively spliced transcript variants differring in the 5' UTR have been described, but the full-length nature of these variants has not been determined.

Gene ID: 10392

UniProt: Q9Y239

Pathways: Activation of Innate immune Response, Positive Regulation of Endopeptidase Activity, Toll-Like

Receptors Cascades, Inflammasome

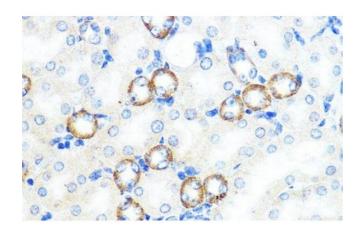
### **Application Details**

Application Notes: IHC 1:50-1:200

Restrictions: For Research Use only

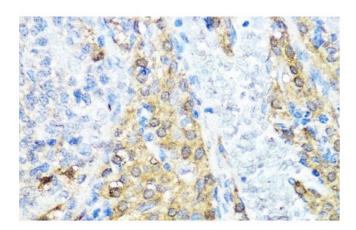
# Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



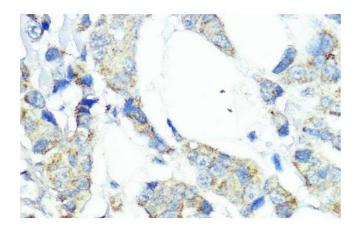
### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Immunohistochemistry of paraffin-embedded Mouse kidney using NOD1 Polyclonal Antibody at dilution of 1:100 (40x lens).



### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 2.** Immunohistochemistry of paraffin-embedded Rat ovary using NOD1 Polyclonal Antibody at dilution of 1:100 (40x lens).



# Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Immunohistochemistry of paraffin-embedded Human mammary cancer using NOD1 Polyclonal Antibody at dilution of 1:100 (40x lens).