

Immunotag™ NOD1 Antibody

Antibody Specification	
Catalog No.	ITA6459
Product Description	Immunotag™ NOD1 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	NOD1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human NOD1
Specificity	NOD1 Antibody detects endogenous levels of total NOD1
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	NOD1
Accession No.	Q9Y239

Antibody Specification

Alternate Names	CARD 4; CARD4; Caspase recruitment domain 4; Caspase recruitment domain containing protein 4; Caspase recruitment domain family member 4; Caspase recruitment domain protein 4; Caspase recruitment domain-containing protein 4; CLR 7.1; CLR7.1; NLR family CARD domain containing 1; NLRC 1; NLRC1; NOD 1; Nod1; NOD1 protein; NOD1_HUMAN; Nucleotide binding oligomerization domain containing 1; Nucleotide binding oligomerization domain leucine rich repeat and CARD domain containing 1; Nucleotide-binding oligomerization domain-containing protein 1; Protein Nod1;
Description	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. Required for RHOA and RIPK2 dependent NF-kappa-B signaling pathway activation upon S.flexneri cell invasion. Involved not only in sensing peptidoglycan (PGN)-derived muropeptides but also in the activation of NF-kappa-B by Shigella effector proteins IpgB2 and OspB. Recruits NLRP10 to the cell membrane following bacterial infection.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	108kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.