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Datasheet for ABIN500365 anti-NOD2 antibody (C-Term)

2 Images



Overview

Quantity:	0.1 mg
Target:	NOD2
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NOD2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Rabbit NOD2 polyclonal antibody was raised against a synthetic peptide corresponding to 14 amino acids at the carboxy terminus of human NOD2.
Isotype:	lgG
Specificity:	This antiobody detects CARD15 / NOD2 at C-term. It has no cross-reaction with NOD1.
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Peptide affinity chromatography
T	
Target Details	

Target:	NOD2
Alternative Name:	CARD15 / NOD2 (NOD2 Products)

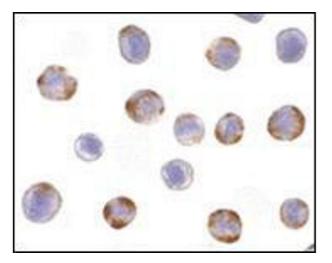
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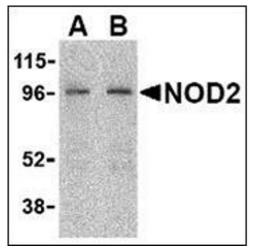
Target Details

rarget Details	
Background:	Apaf-1 and NOD1 are members of a new family (1), which are involved in the regulation of
	apoptosis and immune response. Each of them contains a caspase recruitment domain
	(CARD) and a nucleotide-binding oligomerization domain (NOD). A third member in this family
	was recently identified and designated NOD2 (2). NOD2 interacts with RICK via a homophilic
	CARD-CARD interaction. NOD2 activates NF-ĸB, which is regulated by its carboxy-terminal
	leucine-rich repeat domain that acts as an intracellular receptor for components of bacteria.
	The variants of NOD2, either a frameshift or a missense, were associated with Crohn's disease
	(3,4) that is a main type of chronic inflammatory bowel disease.Synonyms: Caspase
	recruitment domain-containing protein 15, IBD1, Inflammatory bowel disease protein 1,
	Nucleotide-binding oligomerization domain-containing protein 2
Gene ID:	64127
UniProt:	Q9HC29
Pathways:	Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin,
	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process,
	Production of Molecular Mediator of Immune Response, Toll-Like Receptors Cascades,
	Inflammasome
Application Details	
Application Notes:	ELISA. Western blot: 2 - 4 µg/mL. Immunocytochemistry.
	Other applications not tested.
	Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only
Handling	
Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.

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Immunofluorescence

Image 1. Immunocytochemistry of NOD2 in HeLa cells with this product at $10 \,\mu\text{g/ml}$.

Western Blotting

Image 2. Western blot analysis of NOD2 in HeLa cell lysate with this product at (A) 2 and (B) $4 \mu g/ml$.

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