

ARG45827 anti-CARD15 / NOD2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CARD15 / NOD2
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CARD15 / NOD2
Species	Human
Immunogen	Recombinant protein corresponding to Human CARD15 / NOD2.
Conjugation	Un-conjugated
Alternate Names	NOD2; Nucleotide Binding Oligomerization Domain Containing 2; PSORAS1; CLR16.3; CARD15; NLRC2; BLAU; CD; Nucleotide-Binding Oligomerization Domain, Leucine Rich Repeat And CARD Domain Containing 2; Nucleotide-Binding Oligomerization Domain-Containing Protein 2; Caspase Recruitment Domain-Containing Protein 15; Caspase Recruitment Domain Family, Member 15; NLR Family, CARD Domain Containing 2; Inflammatory Bowel Disease Protein 1; NOD-Like Receptor C2; IBD1; Nucleotide-Binding Oligomerization Domain 2; Caspase Recruitment Domain Protein 15; BLAUS; NOD2B; ACUG; YAOS

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:100
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

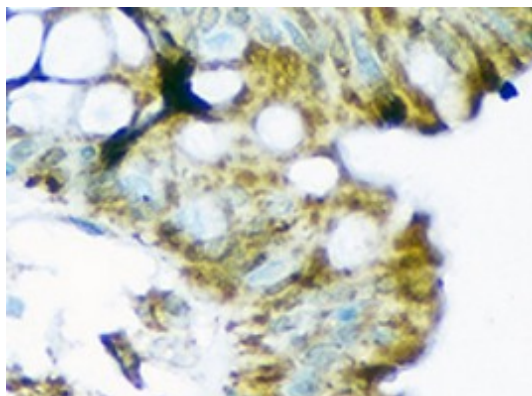
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Gene Symbol	NOD2
Gene Full Name	Nucleotide Binding Oligomerization Domain Containing 2
Background	This gene is a member of the Nod1/Apaf-1 family and encodes a protein with two caspase recruitment (CARD) domains and six leucine-rich repeats (LRRs). The protein is primarily expressed in the peripheral blood leukocytes. It plays a role in the immune response to intracellular bacterial lipopolysaccharides (LPS) by recognizing the muramyl dipeptide (MDP) derived from them and activating the NFκB protein. Mutations in this gene have been associated with Crohn disease and Blau syndrome. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jun 2014]
Function	May also be involved in NLRP1 activation following activation by MDP, leading to CASP1 activation and IL1B release in macrophage. [Uniprot]
Research Area	Cell Biology and Cellular Response antibody; Cell Death antibody
Calculated Mw	115 kDa
PTM	Glycoprotein, Lipoprotein, Palmitate, Ubl conjugation. [Uniprot]
Cellular Localization	Cell membrane, Cytoplasm, Membrane, Mitochondrion. [Uniprot]

Images



ARG45827 anti-CARD15 / NOD2 antibody IHC-P image

Immunohistochemistry: Human colon stained with ARG45827 anti-CARD15 / NOD2 antibody.



ARG45827 anti-CARD15 / NOD2 antibody WB image

Western blot: Rat spleen stained with ARG45827 anti-CARD15 / NOD2 antibody.

ARG45827 anti-CARD15 / NOD2 antibody WB image

Western blot: Mouse kidney stained with ARG45827 anti-CARD15 / NOD2 antibody at dilution.

