Best Tools for immunology Research

CARD15/NOD2 rabbit pAb

Catalog No :	YN8806
Reactivity :	Human
Applications :	WB
Target :	NOD2
Gene Name :	NOD2 CARD15 IBD1
Protein Name :	Nucleotide-binding oligomerization domain-containing protein 2 (Caspase recruitment domain-containing protein 15) (Inflammatory bowel disease protein 1)
Human Gene Id :	64127
Human Swiss Prot No :	Q9HC29
Mouse Swiss Prot No :	Q8K3Z0
Immunogen :	Synthesized peptide derived from human CARD15/NOD2
Specificity :	This antibody detects endogenous levels of CARD15/NOD2 at Human
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	114kD

Function :	Pattern recognition receptor (PRR) that detects bacterial peptidoglycan fragments and other danger signals and plays an important role in gastrointestinal immunity . Upon stimulation by muramyl dipeptide (MDP), a fragment of bacterial peptidoglycan, binds the proximal adapter receptor-interacting RIPK2, which recruits ubiquitin ligases as XIAP, BIRC2, BIRC3, INAVA and the LUBAC complex, triggering activation of MAP kinases and activation of NF-kappa-B signaling . This in turn leads to the transcriptional activation of hundreds of genes involved in immune response. Required for MDP-induced NLRP1-dependent CASP1 activation and IL1B release in macrophages . Component of an autophagy-mediated antibacterial pathway together with ATG16L1 . Plays also a role in sensing single-stranded RNA (ssRNA) from viruses. Interacts with mitochondrial antiviral signaling/MAVS, leading to activation of inte
Subcellular Location :	Cell membrane . Cytoplasm . Membrane . Mitochondrion . Basolateral cell membrane .
Expression :	Mainly expressed in monocytes (PubMed:11087742). Expressed also in intestinal mucosa, mainly in Paneth cells and, at lower extent, in the glandular epithelium (PubMed:22700971).
Sort :	27483
Host :	Rabbit
Modifications :	Unmodified

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