

Product datasheet for TA379196

CARD15 (NOD2) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: ICC/IF, IHC, WB

Recommended Dilution: WB,1:500 - 1:2000

IHC,1:50 - 1:200 IF,1:50 - 1:200

Reactivity: Human, Mouse, Rat

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 611-910 of

human NOD2 (NP_071445.1).

Formulation: Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Concentration: lot specific

Purification: Affinity purification

Conjugation: Unconjugated

Storage: Store at -20°C. Avoid freeze / thaw cycles.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 22kDa/112kDa/115kDa

Gene Name: nucleotide binding oligomerization domain containing 2

Database Link: Entrez Gene 64127 Human

Q9HC29

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 NFKB 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.



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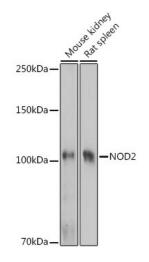
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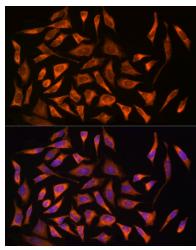
Synonyms:

ACUG; BLAU; CARD15; CD; CLR16.3; IBD1; NLRC2; NOD2B; PSORAS1

Product images:

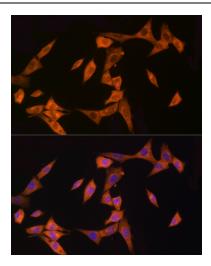


Western blot analysis of extracts of various cell lines, using NOD2 Rabbit pAb (TA379196) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Enhanced Kit. | Exposure time: 60s.

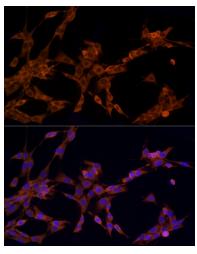


Immunofluorescence analysis of HeLa cells using NOD2 Rabbit pAb (TA379196) at dilution of 1:150 (40x lens). Blue: DAPI for nuclear staining.





Immunofluorescence analysis of NIH/3T3 cells using NOD2 Rabbit pAb (TA379196) at dilution of 1:150 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using NOD2 Rabbit pAb (TA379196) at dilution of 1:150 (40x lens). Blue: DAPI for nuclear staining.